

April 28, 2022

Arizona Department of Environmental Quality
Water Quality Compliance Section
Mail Code 5415B-1
1110 West Washington Street
Phoenix, Arizona 85007

Attention: Alyxandra Rich
 Dan Reeder

Subject: First Quarter 2022 Monitoring Report
 Aquifer Protection Permit No. P-101704, LTF 88973

Dear Ms. Rich and Mr. Reeder:

Florence Copper Inc. (Florence Copper) is submitting this report in accordance with Section 2.7.4.2 of Aquifer Protection Permit (APP) No. P-101704, LTF 88973, dated April 30, 2021, for the Florence Copper Project.

Background Information

The Florence Copper Project is an in-situ copper extraction facility subject to two related permits issued by the Arizona Department of Environmental Quality (ADEQ) and the U.S. Environmental Protection Agency (USEPA).

APP Covering the Test/Pilot Facilities and Future Operations:

- ADEQ APP No. P-101704 (LTF 76820) Significant Amendment dated December 8, 2020, and Other Amendment LTF 88973 dated April 30, 2021.

The authorized facilities and monitoring wells are identified on Figure 1 and the configuration of the Production Test Facility (PTF) wellfield, which was incorporated into the amended December 8, 2020 permit, is shown on Figure 2.

Underground Injection Control (UIC) Permit Covering the Current PTF:

- USEPA UIC Permit No. R9UIC-AZ3-FY11-1 dated December 20, 2016.

This permit authorizes operation of the PTF and sets forth separate monitoring requirements to be applied at the PTF, which lies within the area covered by the APP. The UIC facilities and monitoring wells are identified on Figure 1. The facility received authorization to proceed with pre-operational activities on July 13, 2017. The PTF wellfield was completed and began operations on December 15, 2018. The rinsing activities for the PTF began on June 26, 2020. Solutions from the wellfield continued to be processed through the Solvent Extraction/Electrowinning (SX/EW) plant to produce copper until October 29, 2020. Wellfield rinsing activities have continued through Q1 2022.

This report documents monitoring activities required by APP No. P-101704, LTF 88973 during Q1 2022 following the issuance of the amended permit on April 30, 2021. Reporting for the UIC is performed separately; however, some information pertains to multiple permits and is reported accordingly.

Annual Report

Section 2.7.4.1 of the permit requires that an annual report presenting updates to the groundwater model and the results of any liner assessments be submitted no later than 30 days following the end of the calendar year. In accordance with Section 2.5 of the permit, monitoring and data collection to support the annual reporting requirements began in 2021. The first annual report was submitted on January 28, 2022.

In-Situ Copper Recovery (ISCR) Operations and Monitoring Quarterly Reporting

- **Section 2.7.1 – Self-Monitoring Report Forms (SMRF)**

The completed SMRF for Q1 2022 have been submitted to the on-line MyDEQ portal.

- **Section 2.7.4.2.1.1 – Graphical Representation of Injected and Recovered Volumes**

The daily cumulative injection and recovery volumes and the daily percent recovery to injection volume values are provided in tabular and graphical format in Attachment 1. Throughout the monitoring period, the extracted volume has consistently exceeded the injected volume by 6 percent or more.

- **Section 2.7.4.2.1.2 – Graphical Representation of the Hydraulic Gradient in the ISCR Wellfield**

The daily average head measurement values for the observation wells and recovery wells are provided in tabular and graphical format in Attachment 2. The hydraulic gradient has been maintained with a greater than 1-foot differential as a daily average for all paired PTF wells throughout the monitoring period.

Florence Copper reported to ADEQ on March 28, 2022, the daily average for the hydraulic gradient between recovery well R-01 and observation well O-01 was less than 1 foot on March 27. The hydraulic gradient for this well pair returned to pre-alert conditions the next day on March 28 at 8.24 feet. On April 4, 2022, Florence Copper explained in a letter to ADEQ that there was electrical interference with the transducer in observation well O-01 during pumping activities, resulting in incorrect measurements. The conclusion resulted in nullification of the exceedance, and ADEQ concurred. Therefore, there were no exceedances of the alert level (AL) for the daily average water level comparisons for the inward hydraulic gradient. As a corrective action, water level measurements will be taken by hand when new pumps are installed to check the transducer readings.

- **Section 2.7.4.2.1.3– Monthly Potentiometric Surface Maps**

Monthly groundwater elevation contour maps are provided in Attachment 3. A cone of depression displaying inward flow is depicted over the PTF, the only active mining area, in all three contour maps.

- **Section 2.7.4.2.1.4– Well Bore Annular Conductivity Device (ACD) Readings**

The results of the Q1 2022 well bore annular electrical conductivity (EC) monitoring are provided in Attachment 4. Annular EC resistance has remained approximately constant or increased slightly in 9 of the 11 wells since monitoring began in Q3 2018. Annular EC has decreased in wells O-04 and O-06 during that same time. The results of the monitoring indicate the absence of injected fluid at the ACD locations.

- **Section 2.7.4.2.1.5 – Summary of Pressure Transducer and Fracture Gradient Readings**

Monthly maximum, minimum, and average injection pressures for the monitoring period are provided in Attachment 5. There were no exceedances of the fracture gradient during Q1 2022.

- **Section 2.7.4.2.1.6 – Graphical Representation of Fluid EC Readings from Injection and Observation Wells**
 Fluid EC values are provided in tabular and graphical format in Attachment 6. As expected, fluid EC in the injection and observation wells was comparable during the monitoring period. Throughout the monitoring period, the PTF wellfield was being rinsed and no injection of ISCR fluids took place.
- **Section 2.7.4.2.1.7 – Description of Deviations from Standard Sampling Protocols**
 There were no deviations from standard sampling protocols during the Q1 2022 monitoring event.
- **Section 2.7.4.2.1.8 – Summary of all Exceedances of ALs, Aquifer Quality Limits (AQL), Action Levels, Discharge Limits, or Operational Limits**
 Except as noted below, there were no exceedances of AQLs, action levels, discharge limits, or operational limits during this reporting period.

Well M4-O, an upgradient point of compliance (POC) well, exceeded its magnesium and total dissolved solids AL for all monthly samples taken during this monitoring period. No other groundwater monitoring ALs or AQLs were exceeded. Well M4-O is a POC well, and the observed exceedance is not the result of mineral production operations. Refer to Attachment 10 for additional details on the groundwater monitoring AL exceedances at well M4-O.
- **Section 2.7.4.2.1.9 – Time versus Concentration Plots of Select Groundwater Parameters**
 Plots of select quarterly monitoring parameter concentrations over time for POC wells are provided in Attachment 7.
- **Section 2.7.4.2.1.10 – Groundwater Elevation Contour Maps**
 A groundwater elevation contour map for the quarterly monitoring period (March 2022), including the groundwater elevation obtained from the underground workings is provided in Attachment 8 of the Q1 2022 quarterly compliance monitoring report.
- **Section 2.7.4.2.1.11 – Fissure Inspection Summary**
 Routine visual observations found no ground surface cracks or earth fissures in or around the PTF during the monitoring period.
- **Section 2.7.4.2.1.12 – Table of Wells in the Discharge Impact Area**
 A table of all monitoring wells within the Discharge Impact Area, including location, depth of well, depth to water, and water level elevation, is provided in Attachment 9.
- **Section 2.7.4.2.1.13 – Summary of All Monitoring Wells Replaced**
 No monitoring wells were replaced during the monitoring period.
- **Section 2.7.4.2.1.14 – Groundwater Sampling Results for POC Wells**
 The results of Q1 2022 groundwater monitoring of the POC wells are presented in Attachment 10.
- **Section 2.7.4.2.1.15 – Copies of Reports Submitted to the USEPA for the UIC**
 As required, a copy of the quarterly monitoring report submitted to the USEPA for UIC Permit No. R9UIC-AZ3-FY11-1 is being submitted under a separate cover.
- **Section 2.7.4.2.1.16 – Resource Block Status Report**
 A resource block status summary table is provided in Attachment 11.
- **Section 2.7.4.2.1.17 – Monthly ISCR Wellfield Water Analytical Results**
 Monthly analytical results of the treated ISCR wellfield water are provided in Attachment 12.

- **Section 2.7.4.2.2 – Well Abandonment Report**

No wells associated with this permit were abandoned during Q1 2022; therefore, no abandonment report is included for this monitoring period. For future quarterly compliance reports, the Well Abandonment Report will be provided in Attachment 13.

Operational Requirements and Best Available Demonstrated Control Technology Monitoring

The following items address additional operational and monitoring requirements. Some requirements necessitate filing special reports with ADEQ in the event that certain conditions occur. Others require only that relevant information be placed in logs that are to be maintained on site.

In accordance with Section 2.5.2 of the permit, permitted facilities are inspected for the performance levels listed in Section 4.2, Table 10 of APP No. P-101704. Records of operational monitoring and inspections are maintained in the facility log. A summary of the operational status of the listed facilities is presented in Table 10 below. Weather and road conditions may have precluded daily observations on a small number of occasions due to safety concerns.

Table 10. Operational Monitoring and Inspections for APP No. P-101704, LTF 88973

Facility Category	Facility Name	Operational Inspection
Process solution impoundments	PTF process water impoundment PLS pond Raffinate Pond BHP Pond Water impoundments 1 through 5	At present, only the PTF process water impoundment and BHP Pond have been constructed. The PTF process water impoundment and the BHP Pond were inspected daily and were compliant with the operational monitoring requirements listed in Table 10 throughout the monitoring period.
Lined Non-Stormwater Containment Pond	PTF run-off pond Run-off pond	At present, only the PTF run-off pond has been constructed. The PTF run-off pond was inspected weekly and was compliant with the applicable operational requirements during the monitoring period.
Stormwater control structures	Sitewide stormwater ditches	Monthly inspections were conducted in Q1 2022 in accordance with Section 2.5, and the facilities were compliant with operational requirements.
Groundwater monitor wells	Sitewide monitoring wells	Quarterly inspections were conducted in Q1 2022 in accordance with Section 2.5, and the facilities were compliant with operational requirements.
Pumps	Barge pumps Run-off transfer pumps Sump Pumps Discharge Pump Transfer pump to BHP Pond Evaporator pumps	Sump pumps were operating during Q1 at the PTF process water impoundment and BHP Pond. Both pumps were inspected weekly and were compliant with the operational requirements throughout the monitoring period. Additionally, the transfer pump to the BHP Pond and evaporator pumps were also in operation during Q1. These pumps are inspected routinely and serviced by the contractor every 10 days.
In-situ area injection and recovery resource blocks	PTF wellfield ISCR area	These facilities were inspected daily and no leakage from pipelines, manifolds, or wellheads was reported during the monitoring period.

Table 10. Operational Monitoring and Inspections for APP No. P-101704, LTF 88973		
Facility Category	Facility Name	Operational Inspection
In-situ area injection and recovery resource blocks	PTF wellfield ISCR area	Quarterly inspections were conducted in Q1 2022 in accordance with Section 2.5, and no evidence of subsidence/fissures was reported.
Notes:		
ADEQ = Arizona Department of Environmental Quality APP = Aquifer Protection Permit ISCR = In-situ copper recovery PLS = pregnant leach solution PTF = Production Test Facility		

The contents of this report are believed to be accurate and complete based upon the data submitted to me and reviewed by me. Please call (520) 316-3710 should you have any questions concerning this report.

Sincerely,
Florence Copper Inc.

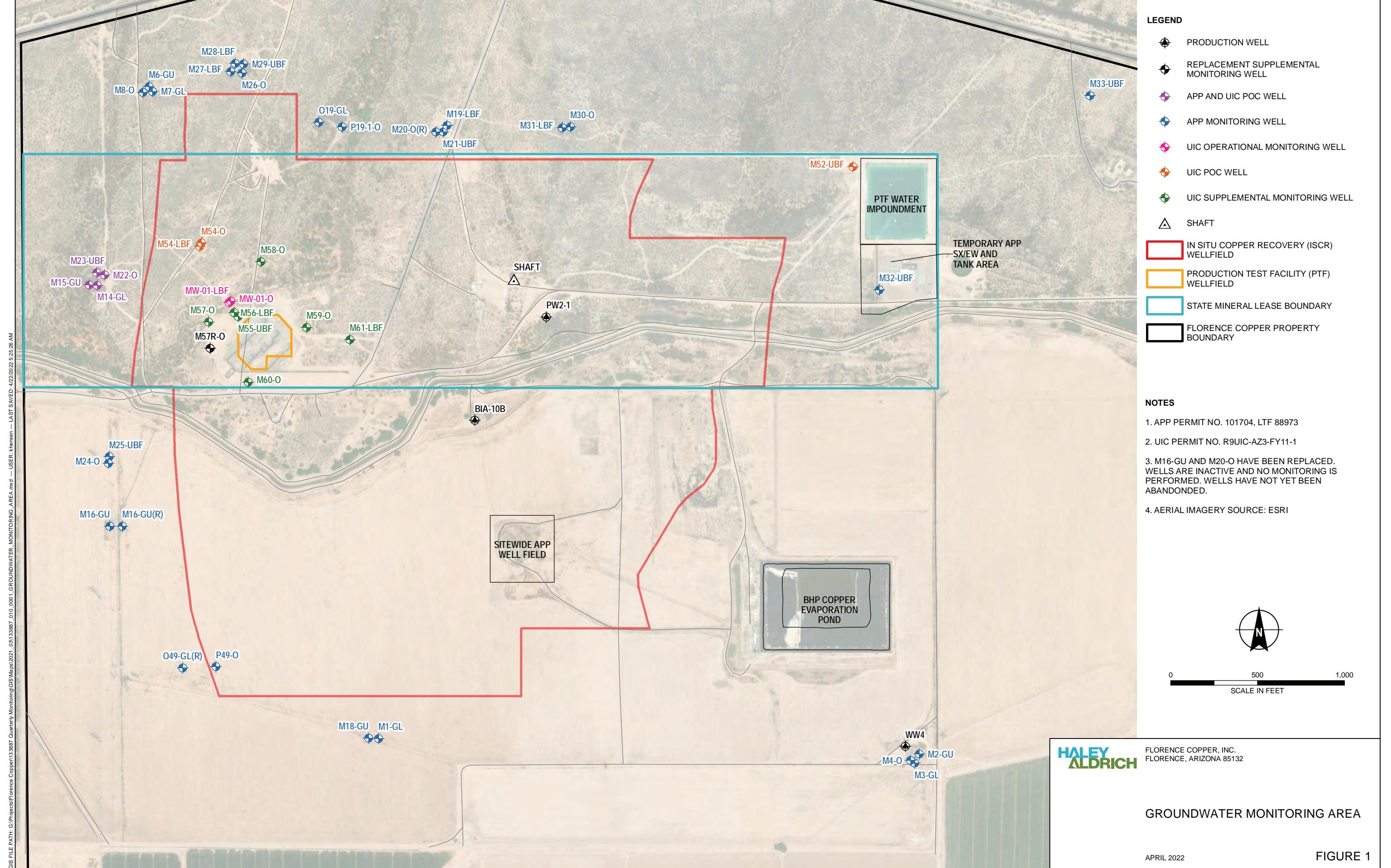


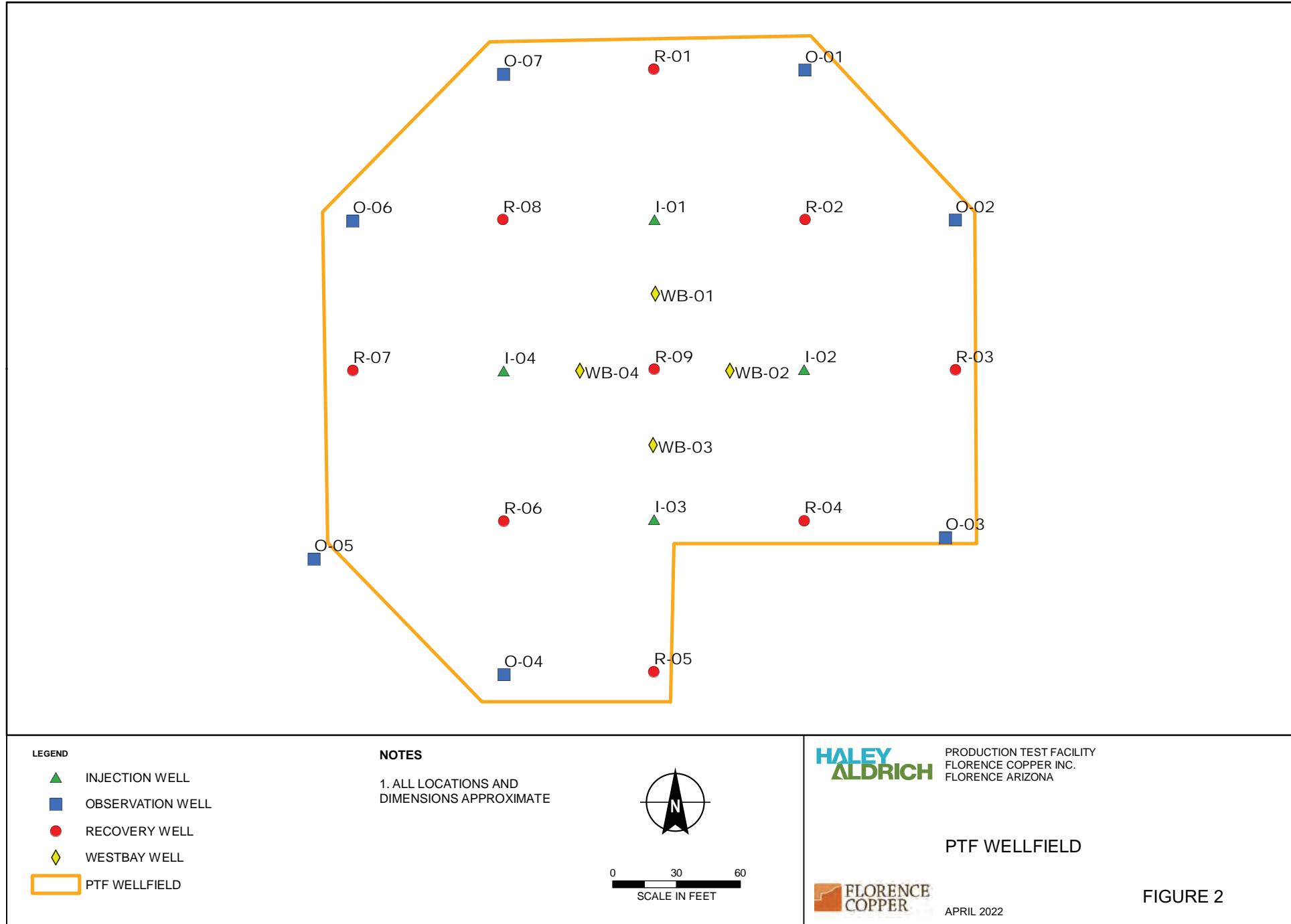
Brent Berg
General Manager

Enclosures:

- Figure 1 – Groundwater Monitoring Area
- Figure 2 – PTF Wellfield
- Attachment 1 – Graphical Representation of Injected and Recovered Volumes
- Attachment 2 – Graphical Representation of the Hydraulic Gradient in the ISCR Wellfield
- Attachment 3 – Monthly Potentiometric Surface Maps
- Attachment 4 – Well Bore Annular Conductivity Device Readings
- Attachment 5 – Summary of Pressure Transducer and Fracture Gradient Readings
- Attachment 6 – Graphical Representation of Fluid Electrical Conductivity Readings from Injection and Observations Wells
- Attachment 7 – Time versus Concentration Plots of Select Groundwater Parameters
- Attachment 8 – Quarterly Groundwater Elevation Contour Map
- Attachment 9 – Table of Wells in the Discharge Impact Area
- Attachment 10 – 10A – Groundwater Sampling Results for POC Wells
10B – Summary of Quarterly Water Levels
- Attachment 11 – Resource Block Status Report
- Attachment 12 – Monthly ISCR Wellfield Water Analytical Results
- Attachment 13 – Well Abandonment Report (Not Applicable for this Monitoring Period)

FIGURES





ATTACHMENT 1

Graphical Representation of Injected and Recovered Volumes

VOLUMES WITH PERCENT RECOVERY

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 1. January 2022 Daily Injection and Recovery Volumes

Date	Daily Injection Volume (gallons)	Daily Recovery Volume (gallons)	Ratio Recovery/Injection	Min % recovery
1/1/2022	140,900	396,600	2.81	281
1/2/2022	140,800	390,900	2.78	278
1/3/2022	140,800	403,100	2.86	286
1/4/2022	139,000	396,700	2.85	285
1/5/2022	142,900	396,500	2.77	277
1/6/2022	141,500	393,900	2.78	278
1/7/2022	144,500	375,300	2.60	260
1/8/2022	144,500	375,100	2.60	260
1/9/2022	142,000	362,000	2.55	255
1/10/2022	142,700	363,100	2.54	254
1/11/2022	142,600	360,800	2.53	253
1/12/2022	140,000	361,600	2.58	258
1/13/2022	141,100	362,100	2.57	257
1/14/2022	141,100	340,100	2.41	241
1/15/2022	141,600	350,600	2.48	248
1/16/2022	140,100	358,700	2.56	256
1/17/2022	142,800	354,100	2.48	248
1/18/2022	141,100	352,200	2.50	250
1/19/2022	140,500	353,200	2.51	251
1/20/2022	141,700	361,600	2.55	255
1/21/2022	142,500	363,300	2.55	255
1/22/2022	142,100	355,900	2.50	250
1/23/2022	142,900	352,300	2.47	247
1/24/2022	142,000	339,100	2.39	239
1/25/2022	144,300	345,600	2.40	240
1/26/2022	142,800	340,700	2.39	239
1/27/2022	143,900	338,400	2.35	235
1/28/2022	144,900	351,000	2.42	242
1/29/2022	144,400	348,400	2.41	241
1/30/2022	143,600	339,300	2.36	236
1/31/2022	144,500	338,500	2.34	234
JAN Averages	142,261	361,958	2.55	255

JAN Averages	Monthly Average Injection Volume (GPM)	Monthly Average Recovery Volume (GPM)
	99	251

Notes:

% = percent

GPM = gallons per minute

VOLUMES WITH PERCENT RECOVERY

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 2. February 2022 Daily Injection and Recovery Volumes

Date	Daily Injection Volume (gallons)	Daily Recovery Volume (gallons)	Ratio Recovery/Injection	Min % recovery
2/1/2022	143,900	337,600	2.35	235
2/2/2022	144,200	329,600	2.29	229
2/3/2022	143,800	323,200	2.25	225
2/4/2022	141,900	344,900	2.43	243
2/5/2022	143,000	348,000	2.43	243
2/6/2022	143,500	371,300	2.59	259
2/7/2022	142,200	339,800	2.39	239
2/8/2022	143,600	344,100	2.40	240
2/9/2022	144,000	347,900	2.42	242
2/10/2022	143,600	347,500	2.42	242
2/11/2022	142,300	336,400	2.36	236
2/12/2022	140,700	340,100	2.42	242
2/13/2022	140,700	338,100	2.40	240
2/14/2022	142,500	331,100	2.32	232
2/15/2022	141,700	336,400	2.37	237
2/16/2022	140,600	339,600	2.42	242
2/17/2022	141,100	335,200	2.38	238
2/18/2022	140,400	334,500	2.38	238
2/19/2022	141,400	333,200	2.36	236
2/20/2022	139,800	331,500	2.37	237
2/21/2022	139,500	327,800	2.35	235
2/22/2022	139,500	327,200	2.35	235
2/23/2022	141,000	328,900	2.33	233
2/24/2022	140,600	327,300	2.33	233
2/25/2022	142,200	337,400	2.37	237
2/26/2022	142,900	334,700	2.34	234
2/27/2022	141,300	343,200	2.43	243
2/28/2022	141,200	341,700	2.42	242
FEB Averages	141,896	337,793	2.38	238

FEB Averages	Monthly Average Injection Volume (GPM)	Monthly Average Recovery Volume (GPM)
	99	235

Notes:

% = percent

GPM = gallons per minute

VOLUMES WITH PERCENT RECOVERY

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 3. March 2022 Daily Injection and Recovery Volumes

Date	Daily Injection Volume (gallons)	Daily Recovery Volume (gallons)	Ratio Recovery/Injection	Min % recovery
3/1/2022	140,900	333,400	2.37	237
3/2/2022	141,200	340,300	2.41	241
3/3/2022	140,400	337,700	2.41	241
3/4/2022	141,300	349,700	2.47	247
3/5/2022	141,000	325,200	2.31	231
3/6/2022	140,800	286,100	2.03	203
3/7/2022	140,700	311,500	2.21	221
3/8/2022	142,000	316,000	2.23	223
3/9/2022	141,600	314,800	2.22	222
3/10/2022	140,100	315,200	2.25	225
3/11/2022	142,900	327,600	2.29	229
3/12/2022	141,400	334,100	2.36	236
3/13/2022	140,400	331,700	2.36	236
3/14/2022	137,100	325,100	2.37	237
3/15/2022	82,800	306,200	3.70	370
3/16/2022	144,500	332,600	2.30	230
3/17/2022	144,700	329,800	2.28	228
3/18/2022	143,800	335,000	2.33	233
3/19/2022	143,400	335,300	2.34	234
3/20/2022	144,000	330,200	2.29	229
3/21/2022	144,100	329,000	2.28	228
3/22/2022	131,600	319,600	2.43	243
3/23/2022	116,300	309,200	2.66	266
3/24/2022	141,200	313,500	2.22	222
3/25/2022	146,000	327,400	2.24	224
3/26/2022	145,600	333,200	2.29	229
3/27/2022	145,900	339,800	2.33	233
3/28/2022	146,100	335,400	2.30	230
3/29/2022	146,100	328,300	2.25	225
3/30/2022	146,000	322,300	2.21	221
3/31/2022	145,900	291,900	2.00	200
MAR Averages	139,671	324,745	2.35	235

MAR Averages	Monthly Average Injection Volume (GPM)	Monthly Average Recovery Volume (GPM)
	97	226

Notes:

% = percent

GPM = gallons per minute

Figure 1. Injection vs. Recovery Volumes - January

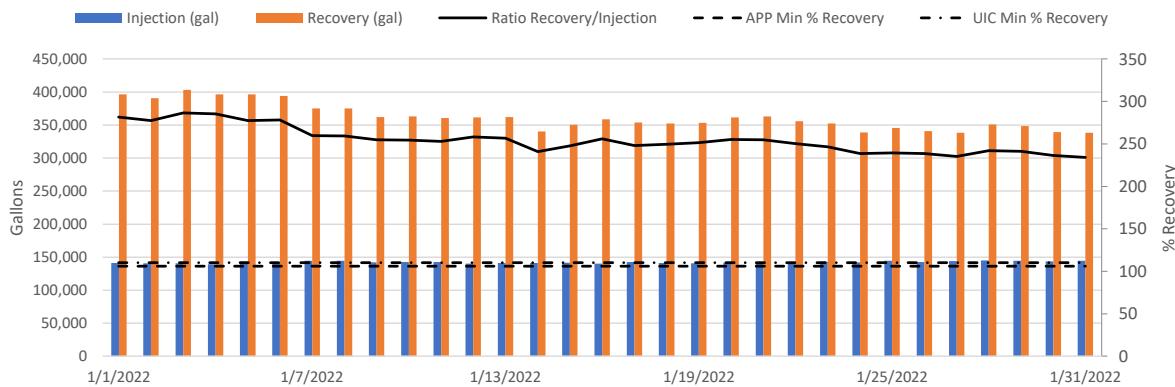


Figure 2. Injection vs. Recovery Volumes - February

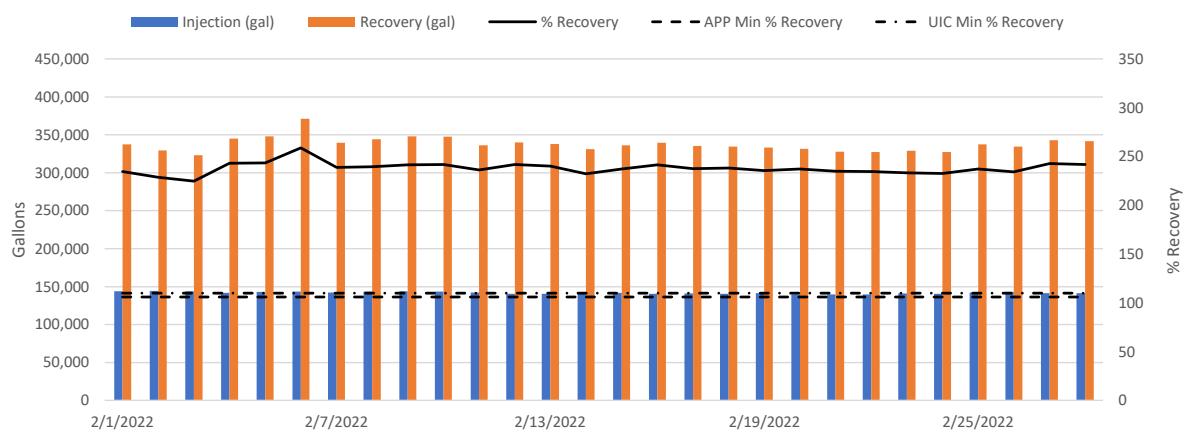
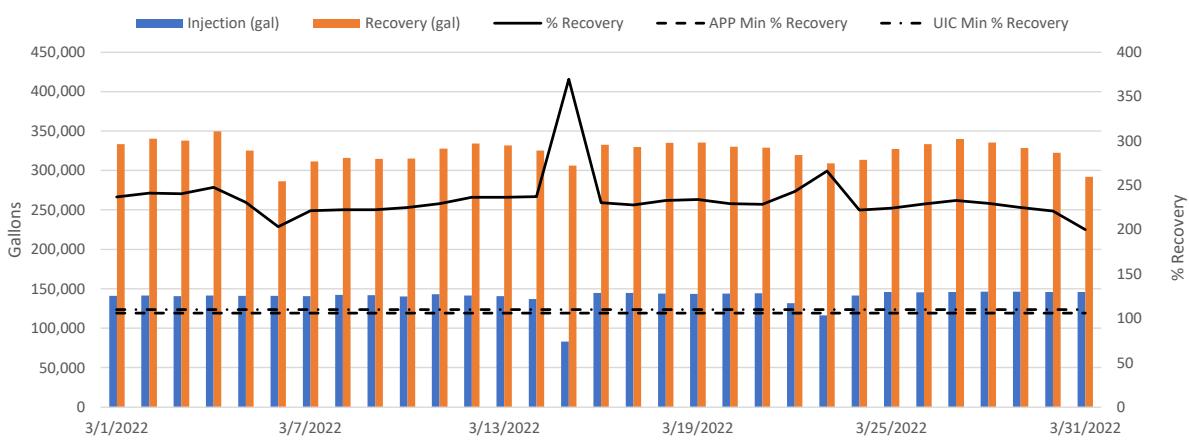


Figure 3. Injection vs. Recovery Volumes - March



ATTACHMENT 2

Graphical Representation of the Hydraulic Gradient in the ISCR Wellfield

Q1 2022 HYDRAULIC GRADIENT, DAILY AVERAGE WATER LEVEL ELEVATIONS

PAGE 1 OF 3

OBSERVATION AND RECOVERY WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 1. January 2022 Daily Average Water Level Elevations

Date	R-01	O-01	O-07	R-02	O-01	O-02	R-03	O-02	O-03	R-04	O-03	R-05	O-04	R-06	O-04	O-05	R-07	O-05	O-06	R-08	O-06	O-07	R-09
1/1/2022	1207.04	1213.36	1221.54	1174.90	1213.36	1214.63	1139.90	1214.63	1216.16	1129.02	1216.16	1114.64	1228.13	1154.04	1228.13	1222.70	1216.99	1222.70	1221.28	1208.18	1221.28	1221.54	1305.71
1/2/2022	1206.19	1213.21	1221.66	1176.15	1213.21	1214.51	1139.92	1214.51	1216.24	1128.59	1216.24	1114.83	1228.07	1154.20	1228.07	1222.68	1216.90	1222.68	1221.19	1210.67	1221.19	1221.66	1305.71
1/3/2022	1206.14	1213.16	1221.54	1175.95	1213.16	1214.34	1139.90	1214.34	1216.19	1128.18	1216.19	1114.94	1227.96	1154.29	1227.96	1222.60	1216.82	1222.60	1221.12	1211.71	1221.12	1221.54	1307.08
1/4/2022	1206.11	1213.01	1221.45	1175.74	1213.01	1214.13	1139.87	1214.13	1216.17	1127.78	1216.17	1115.03	1228.26	1154.47	1228.26	1222.62	1216.80	1222.62	1221.08	1215.93	1221.08	1221.45	1319.84
1/5/2022	1206.12	1213.06	1221.39	1175.73	1213.06	1214.18	1139.88	1214.18	1216.14	1127.48	1216.14	1114.88	NA	1154.39	NA	1222.30	1216.58	1222.30	1221.16	1216.49	1221.16	1221.39	1325.83
1/6/2022	1207.84	1213.46	NA	1174.33	1213.46	1214.60	1139.85	1214.60	1216.46	1127.21	1216.46	1115.36	NA	1154.86	NA	1222.60	1216.86	1222.60	NA	1216.17	NA	NA	1324.10
1/7/2022	1208.87	1215.72	NA	1177.63	1215.72	1216.65	1139.93	1216.65	1217.91	1129.87	1217.91	1127.77	1228.47	1172.96	1228.47	1225.41	1221.06	1225.41	NA	1223.42	NA	NA	1327.32
1/8/2022	1209.38	1216.06	1225.78	1179.23	1216.06	1194.56	1139.91	1194.56	1220.97	1129.42	1220.97	1131.65	1229.41	1180.86	1229.41	1226.82	1223.58	1226.82	1226.12	1210.81	1226.12	1225.78	1325.63
1/9/2022	1209.29	1215.86	1223.91	1179.02	1215.86	1190.45	1139.91	1190.45	1221.33	1129.40	1221.33	1131.66	1226.74	1180.78	1226.74	1226.72	1223.73	1226.72	1225.28	1208.60	1225.28	1223.91	1324.75
1/10/2022	1210.28	1218.42	1225.10	1171.36	1218.42	1219.12	1140.29	1219.12	1219.74	1129.06	1219.74	1133.88	1226.94	1170.82	1226.94	1227.17	1223.51	1227.17	1225.48	1212.41	1225.48	1225.10	1331.96
1/11/2022	NA	1218.63	1225.44	1171.97	1218.63	1219.15	1139.96	1219.15	1219.40	1125.95	1219.40	1140.11	1227.14	1170.61	1227.14	1227.43	1223.90	1227.43	1225.68	1217.27	1225.68	1225.44	1332.15
1/12/2022	NA	1217.12	1224.19	1168.52	1217.12	1217.46	1139.95	1217.46	1218.38	1124.72	1218.38	1132.36	1225.77	1169.52	1225.77	1226.46	1222.89	1226.46	1224.62	1215.47	1224.62	1224.19	1330.60
1/13/2022	NA	1217.51	1224.63	1168.53	1217.51	1217.90	1139.93	1217.90	1218.52	1123.94	1218.52	1132.15	1225.73	1169.84	1225.73	1226.52	1223.02	1226.52	1224.78	1222.72	1224.78	1224.63	1329.91
1/14/2022	NA	1216.57	1223.76	1176.03	1216.57	1209.09	1139.92	1209.09	1218.96	1128.50	1218.96	1141.19	1226.26	1177.05	1226.26	1226.60	1221.91	1226.60	1224.92	1209.95	1224.92	1223.76	1328.42
1/15/2022	NA	1218.21	1225.36	1180.03	1218.21	1209.55	1158.93	1209.55	1220.79	1130.80	1220.79	1146.54	1227.68	1183.79	1227.68	1227.93	1223.43	1227.93	1226.34	1204.23	1226.34	1225.36	1329.11
1/16/2022	NA	1217.48	1224.69	1177.31	1217.48	1208.89	1158.94	1208.89	1220.33	1128.59	1220.33	1142.83	1227.18	1182.89	1227.18	1227.42	1222.66	1227.42	1225.72	1203.31	1225.72	1224.69	1325.05
1/17/2022	NA	1217.19	1224.51	1178.78	1217.19	1208.58	1159.15	1208.58	1218.84	1129.68	1218.84	1145.45	1226.86	1183.03	1226.86	1227.11	1222.59	1227.11	1225.46	1210.23	1225.46	1224.51	1327.26
1/18/2022	NA	1216.02	1223.70	1177.61	1216.02	1207.31	1153.63	1207.31	1217.50	1129.11	1217.50	1144.33	1225.42	1181.80	1225.42	1225.75	1221.61	1225.75	1224.27	1206.44	1224.27	1223.70	1324.36
1/19/2022	NA	1214.62	1222.21	1176.03	1214.62	1206.19	1168.50	1206.19	1216.43	1128.57	1216.43	1142.94	1223.82	1180.20	1223.82	1224.15	1219.79	1224.15	1222.65	1202.20	1222.65	1222.21	1323.45
1/20/2022	1195.51	1213.67	1221.96	1177.89	1213.67	1202.53	1162.69	1202.53	1212.78	1127.71	1212.78	1140.54	1223.56	1180.04	1223.56	1224.01	1219.78	1224.01	1222.72	1200.87	1222.72	1221.96	1323.24
1/21/2022	1196.51	1214.58	1223.23	1180.52	1214.58	1202.56	1159.33	1202.56	1215.16	1128.43	1215.16	1143.36	1224.66	1181.26	1224.66	1225.17	1221.06	1225.17	1223.96	NA	1223.96	1223.23	1324.23
1/22/2022	1197.22	1215.23	1223.53	1181.26	1215.23	1203.53	1156.15	1203.53	1216.99	1128.27	1216.99	1144.19	1225.29	1181.92	1225.29	1225.79	1221.66	1225.79	1224.58	NA	1224.58	1223.53	1327.99
1/23/2022	1200.76	1216.08	1224.15	1179.97	1216.08	1203.73	NA	1203.73	1217.69	1125.34	1217.69	1144.45	1225.66	1182.36	1225.66	1226.20	1221.79	1226.20	1225.11	NA	1225.11	1224.15	1330.15
1/24/2022	1202.22	1217.05	1225.03	1182.32	1217.05	1204.97	1156.44	1204.97	1218.00	1127.65	1218.00	1157.48	1226.82	1176.25	1226.82	1227.32	1224.75	1227.32	1226.24	NA	1226.24	1225.03	1331.22
1/																							

OBSERVATION AND RECOVERY WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 2. February 2022 Daily Average Water Level Elevations

Date	R-01	O-01	O-07	R-02	O-01	O-02	R-03	O-02	R-03	R-04	O-03	R-05	O-04	R-06	O-04	O-05	R-07	O-05	O-06	R-08	O-06	O-07	R-09
2/1/2022	1200.81	1212.19	1220.60	1181.02	1212.19	1202.64	1159.70	1202.64	1213.45	1083.52	1213.45	1165.30	1222.19	1171.08	1222.19	1222.50	NA	1222.50	1221.50	NA	1221.50	1220.60	1330.25
2/2/2022	1200.44	1211.95	1220.09	1179.26	1211.95	1203.22	1162.66	1203.22	1214.37	1083.52	1214.37	1164.13	1222.05	1177.53	1222.05	1222.16	NA	1222.16	1220.86	1208.13	1220.86	1220.09	1333.22
2/3/2022	1200.85	1213.57	1219.78	1180.01	1213.57	1204.74	1161.21	1204.74	1213.56	1089.56	1213.56	1148.81	1222.12	1181.54	1222.12	1222.41	NA	1222.41	1221.14	1205.64	1221.14	1219.78	1335.31
2/4/2022	NA	1213.62	1220.97	1181.18	1213.62	1201.82	1159.87	1201.82	1216.65	1092.78	1216.65	1158.20	1222.47	1181.88	1222.47	1222.43	1214.64	1222.43	1221.13	1204.29	1221.13	1220.97	1334.93
2/5/2022	NA	1214.62	1221.73	1183.13	1214.62	1203.00	1159.87	1203.00	1218.75	1095.63	1218.75	1166.64	1223.69	1182.97	1223.69	1223.32	1219.28	1223.32	1221.83	1205.00	1221.83	1221.73	1344.50
2/6/2022	NA	1215.27	1222.25	1183.82	1215.27	1204.04	1159.74	1204.04	1220.00	1091.27	1220.00	1167.55	1224.58	1183.88	1224.58	1224.15	1219.55	1224.15	1222.51	1202.31	1222.51	1222.25	1335.57
2/7/2022	NA	1213.75	1221.01	1181.66	1213.75	1202.64	1159.74	1202.64	1221.53	1097.92	1221.53	1152.27	1223.77	1178.82	1223.77	1223.11	1216.09	1223.11	1221.36	1203.42	1221.36	1221.01	1337.74
2/8/2022	NA	1215.79	1222.31	1182.70	1215.79	1205.19	1161.71	1205.19	1222.60	NA	1222.60	1152.31	1224.85	1184.36	1224.85	1224.24	1218.99	1224.24	1222.53	1204.16	1222.53	1222.31	1336.00
2/9/2022	NA	1216.22	1222.76	1183.10	1216.22	1205.39	1161.71	1205.39	1222.60	NA	1222.60	1152.55	1225.15	1184.73	1225.15	1224.59	1215.99	1224.59	1222.92	1204.96	1222.92	1222.76	1338.19
2/10/2022	1202.96	1215.48	1217.99	1188.78	1215.48	1204.97	1161.71	1204.97	1219.36	NA	1219.36	1163.09	1225.36	1185.99	1225.36	1224.31	1217.48	1224.31	1219.19	1204.07	1219.19	1217.99	1337.53
2/11/2022	1204.55	1218.24	1224.69	1196.33	1218.24	1205.38	1161.71	1205.38	1227.06	NA	1227.06	1174.51	1227.90	1187.96	1227.90	1227.20	1223.14	1227.20	1225.51	1211.31	1225.51	1224.69	1338.33
2/12/2022	1203.59	1217.03	1223.78	1195.05	1217.03	1203.85	1161.71	1203.85	1226.54	NA	1226.54	1173.75	1227.04	1187.17	1227.04	1226.32	1222.18	1226.32	1224.59	1211.21	1224.59	1223.78	1338.07
2/13/2022	1203.59	1217.03	1223.78	1195.05	1217.03	1203.85	1161.71	1203.85	1226.54	NA	1226.54	1173.75	1227.04	1187.17	1227.04	1226.32	1222.18	1226.32	1224.59	1211.93	1224.59	1223.78	1336.40
2/14/2022	1203.28	1216.22	1223.26	1184.47	1216.22	1203.09	1161.71	1203.09	1228.04	NA	1228.04	1156.74	1226.51	1187.09	1226.51	1225.60	1220.54	1225.60	1223.76	1207.86	1223.76	1223.26	1336.40
2/15/2022	1200.31	1213.58	1221.22	1181.45	1213.58	1194.65	1161.71	1194.65	1229.60	NA	1229.60	1155.21	1225.16	1185.43	1225.16	1224.10	1218.92	1224.10	1222.02	1211.52	1222.02	1221.22	1336.40
2/16/2022	1200.50	1212.35	1219.73	1185.72	1212.35	1192.18	1139.85	1192.18	1231.65	1131.05	1231.65	1162.68	1223.97	1184.06	1223.97	1222.97	1218.31	1222.97	1220.90	1203.43	1220.90	1219.73	1334.18
2/17/2022	1203.37	1213.54	1220.62	1181.70	1213.54	1194.34	1133.41	1194.34	NA	1128.64	NA	1153.65	1223.80	1173.78	1223.80	1222.82	1217.98	1222.82	1221.13	1203.96	1221.13	1220.62	1333.70
2/18/2022	1204.15	1214.43	1221.17	1182.55	1214.43	1195.86	NA	1195.86	NA	1128.70	NA	1154.56	1224.11	1175.05	1224.11	1223.04	1217.65	1223.04	1221.45	1203.57	1221.45	1221.17	1334.70
2/19/2022	1202.52	1214.06	1220.76	1182.97	1214.06	1196.46	NA	1196.46	NA	1128.18	NA	1154.22	1223.68	1174.83	1223.68	1222.63	1217.43	1222.63	1221.07	1204.19	1221.07	1220.76	1336.33
2/20/2022	1203.12	1214.70	1221.18	1183.53	1214.70	1198.08	NA	1198.08	NA	1127.87	NA	1154.85	1224.24	1175.52	1224.24	1223.16	1217.94	1223.16	1221.58	1204.69	1221.58	1221.18	1335.43
2/21/2022	1201.91	1212.67	1218.89	1181.19	1212.67	1197.06	NA	1197.06	NA	1126.59	NA	1152.00	1222.55	1173.27	1222.55	1221.51	1216.16	1221.51	1219.84	1202.75	1219.84	1218.89	1334.37
2/22/2022	1202.88	1213.21	1219.71	1181.70	1213.21	1198.55	NA	1198.55	NA	1126.34	NA	1152.75	1222.78	1173.92	1222.78	1221.71	1216.42	1221.71	1220.11	1203.16	1220.11	1219.71	1332.16
2/23/2022	1202.33	1212.96	1218.69	1181.48	1212.96	1199.54	NA	1199.54	1208.04	1125.68	1208.04	1152.65	1223.01	1173.96	1223.01	1221.82	1216.49	1221.82	1219.54	1201.83	1219.54	1218.69	1333.96
2/24/2022	1206.51	1217.54	1223.51	1186.48	1217.54	1203.96	NA	1203.96	1214.40	1126.80	1214.40	1158.12	1227.06	1178.80	1227.06	1225.78	1220.57	1225.78	1224.13	1206.01	1224.13	1223.51	1338.47
2/25/2022	1207.02	1217.69	1222.68	1186.43	1217																		

OBSERVATION AND RECOVERY WELLS

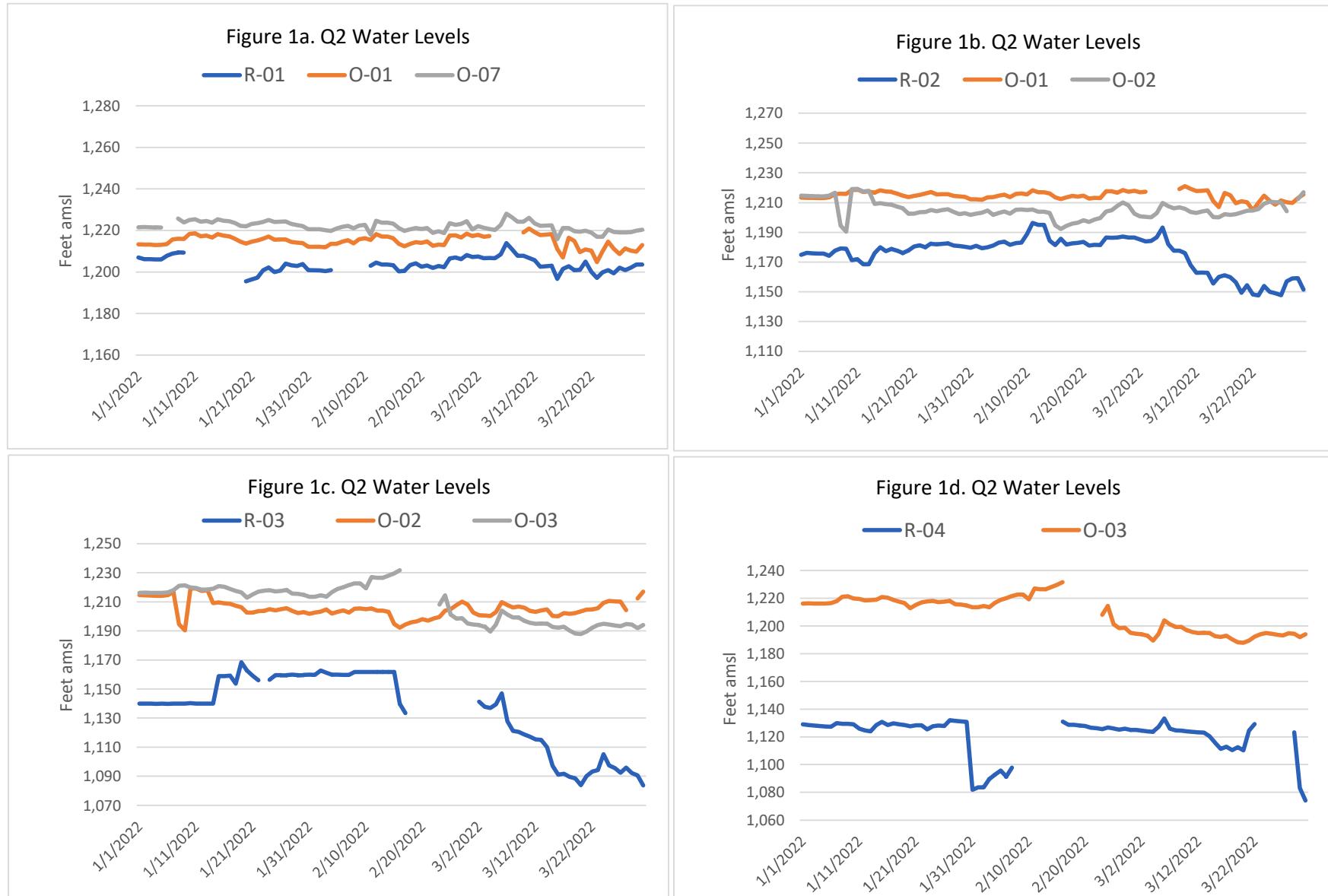
FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 3. March 2022 Daily Average Water Level Elevations

Date	R-01	O-01	O-07	R-02	O-01	O-02	R-03	O-02	O-03	R-04	O-03	R-05	O-04	R-06	O-04	O-05	R-07	O-05	O-06	R-08	O-06	O-07	R-09
3/1/2022	1207.45	1217.88	1222.15	1186.60	1217.88	1202.58	NA	1202.58	1194.33	1124.98	1194.33	1156.04	1226.72	1179.31	1226.72	1225.79	1220.87	1225.79	1224.51	1207.65	1224.51	1222.15	1342.52
3/2/2022	1206.66	1216.95	1221.27	1185.29	1216.95	1200.68	1141.38	1200.68	1193.97	1124.56	1193.97	1155.14	1226.14	1178.89	1226.14	1225.23	1220.31	1225.23	1223.92	1207.02	1223.92	1221.27	1342.70
3/3/2022	1206.81	1217.30	1220.70	1183.91	1217.30	1200.48	1137.81	1200.48	1192.94	1124.00	1192.94	1153.99	1225.66	1178.48	1225.66	1224.84	1220.30	1224.84	1223.47	1206.40	1223.47	1220.70	1340.42
3/4/2022	1206.68	NA	1220.28	1184.23	NA	1200.15	1137.01	1200.15	1189.47	1123.74	1189.47	1153.73	1225.59	1178.60	1225.59	1224.83	1220.14	1224.83	1223.48	1206.68	1223.48	1220.28	1345.11
3/5/2022	1208.55	NA	1222.71	1186.65	NA	1202.96	1139.46	1202.96	1194.33	1127.27	1194.33	1163.77	1227.37	1184.57	1227.37	1226.55	1222.11	1226.55	1225.28	1210.24	1225.28	1222.71	1349.24
3/6/2022	1213.84	NA	1228.07	1193.17	NA	1209.76	1147.07	1209.76	1203.94	1133.25	1203.94	1180.33	1232.42	1196.03	1232.42	1231.67	1228.01	1231.67	1230.68	1218.37	1230.68	1228.07	1358.31
3/7/2022	1211.03	NA	1226.32	1182.03	NA	1207.68	1127.96	1207.68	1201.17	1125.90	1201.17	1161.51	1230.54	1185.77	1230.54	1229.94	1225.41	1229.94	1228.82	1213.38	1228.82	1226.32	1355.90
3/8/2022	1207.76	NA	1224.23	1177.73	NA	1206.13	1121.26	1206.13	1199.22	1124.65	1199.22	1158.45	1228.86	1182.93	1228.86	1228.15	1223.38	1228.15	1226.80	1210.82	1226.80	1224.23	1354.57
3/9/2022	1207.80	1219.11	1224.24	1177.75	1219.11	1206.79	1120.62	1206.79	1199.28	1124.40	1199.28	1158.34	1228.72	1182.79	1228.72	1228.01	1223.23	1228.01	1226.69	1210.67	1226.69	1224.24	1354.62
3/10/2022	1206.82	1220.97	1226.13	1176.10	1220.97	1205.87	1118.66	1205.87	1196.93	1123.91	1196.93	1157.20	1227.86	1181.94	1227.86	1227.18	1222.31	1227.18	1225.73	1209.60	1225.73	1226.13	1351.31
3/11/2022	1205.70	1219.24	1223.37	1168.00	1219.24	1203.78	1117.18	1203.78	1195.56	1123.60	1195.56	1145.12	1226.39	1181.11	1226.39	1225.87	1220.49	1225.87	1224.71	1205.50	1224.71	1223.37	1271.24
3/12/2022	1202.56	1217.80	1222.27	1162.80	1217.80	1203.04	1115.33	1203.04	1194.93	1123.24	1194.93	1139.25	1226.53	1180.81	1226.53	1225.59	1219.45	1225.59	1223.85	1202.82	1223.85	1222.27	1231.80
3/13/2022	1202.80	1218.00	1222.32	1162.99	1218.00	1204.00	1115.07	1204.00	1195.09	1123.12	1195.09	1139.31	1226.52	1180.83	1226.52	1225.59	1219.46	1225.59	1223.87	1202.92	1223.87	1222.32	1231.78
3/14/2022	1203.00	1218.20	1222.49	1162.87	1218.20	1204.74	1109.95	1204.74	1194.95	1120.49	1194.95	1138.66	1226.28	1181.27	1226.28	1225.45	1219.36	1225.45	1223.82	1202.23	1223.82	1222.49	1231.47
3/15/2022	1196.67	1211.11	1215.77	1155.58	1211.11	1200.21	1097.13	1200.21	1192.66	1115.79	1192.66	1150.32	1221.83	1171.88	1221.83	1219.60	1212.88	1219.60	1217.24	1192.74	1217.24	1215.77	1223.80
3/16/2022	1201.47	1207.00	1221.14	1160.05	1207.00	1200.13	1091.00	1200.13	1192.14	1111.39	1192.14	NA	1225.92	1173.35	1225.92	1224.19	1217.87	1224.19	1222.03	1196.27	1222.03	1221.14	1230.54
3/17/2022	1202.70	1216.45	1221.13	1161.20	1216.45	1202.20	1091.78	1202.20	1192.89	1112.94	1192.89	NA	1226.38	1174.10	1226.38	1224.87	1218.93	1224.87	1222.85	1197.03	1222.85	1221.13	1231.35
3/18/2022	1200.86	1214.94	1219.64	1159.82	1214.94	1201.80	1089.65	1201.80	1190.23	1110.51	1190.23	NA	1224.81	1172.29	1224.81	1223.25	1216.99	1223.25	1221.25	1195.38	1221.25	1219.64	1229.67
3/19/2022	1201.01	1209.58	1219.39	1156.49	1209.58	1202.19	1088.62	1202.19	1188.18	1112.50	1188.18	NA	1223.95	1170.45	1223.95	1222.38	1216.13	1222.38	1220.44	1194.16	1220.44	1219.39	1228.77
3/20/2022	1205.01	1210.88	1219.87	1149.44	1210.88	1203.39	1083.89	1203.39	1187.82	1110.31	1187.82	NA	1224.07	1172.28	1224.07	1222.60	1216.38	1222.60	1220.70	1193.42	1220.70	1219.87	1228.83
3/21/2022	1200.08	1210.26	1218.92	1154.46	1210.26	1204.54	1090.13	1204.54	1189.47	1124.53	1189.47	NA	1223.90	1166.88	1223.90	1222.30	1216.09	1222.30	1220.43	1194.31	1220.43	1218.92	1229.13
3/22/2022	1197.14	1204.73	1217.02	1148.26	1204.73	1204.76	1093.23	1204.76	1192.17	1129.26	1192.17	NA	1222.38	1156.12	1222.38	1220.34	1214.23	1220.34	1218.62	1187.70	1218.62	1217.02	1227.66
3/23/2022	1199.80	1209.88	1216.97	1147.54	1209.88	1205.65	1094.27	1205.65	1194.07	NA	1194.07	NA	1222.24	1154.51	1222.24	1219.71	1212.69	1219.71	1217.88	1186.50	1217.88	1216.97	1226.93
3/24/2022	1200.95	1214.66	1220.43	1153.97	1214.66	1209.21	1105.10	1209.21	1194.94	NA	1194.94	NA	1225.67	1162.59	1225.67	1223.52	1217.56	1223.52	1221.87	1190.76	1221.87	1220	

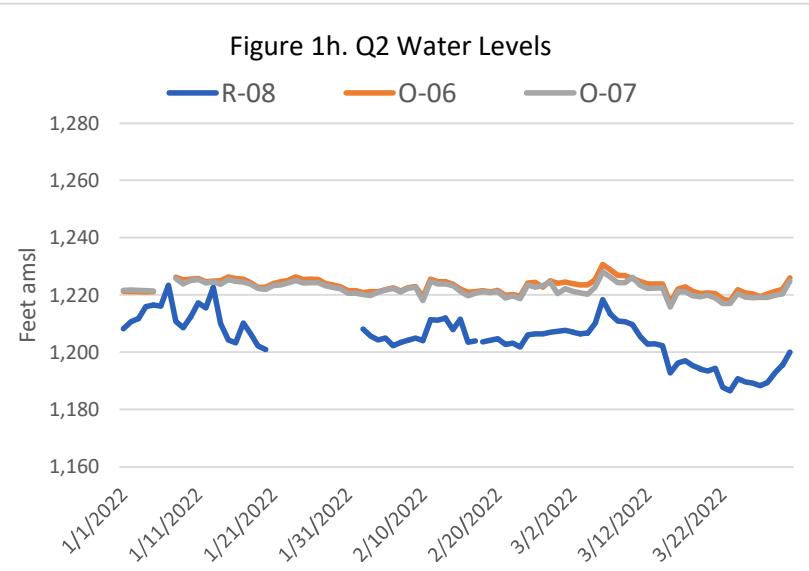
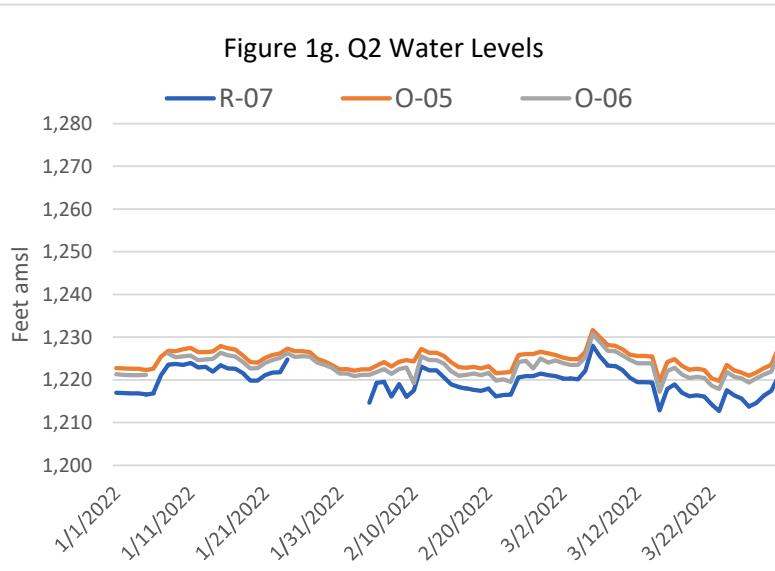
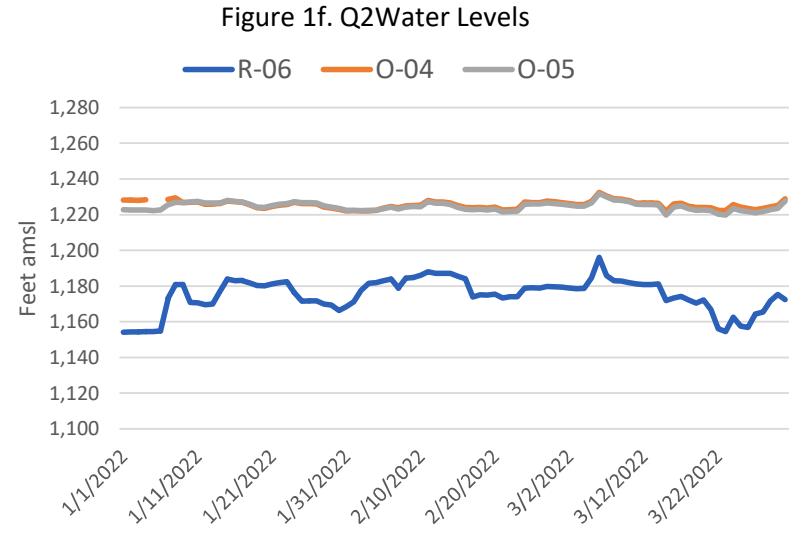
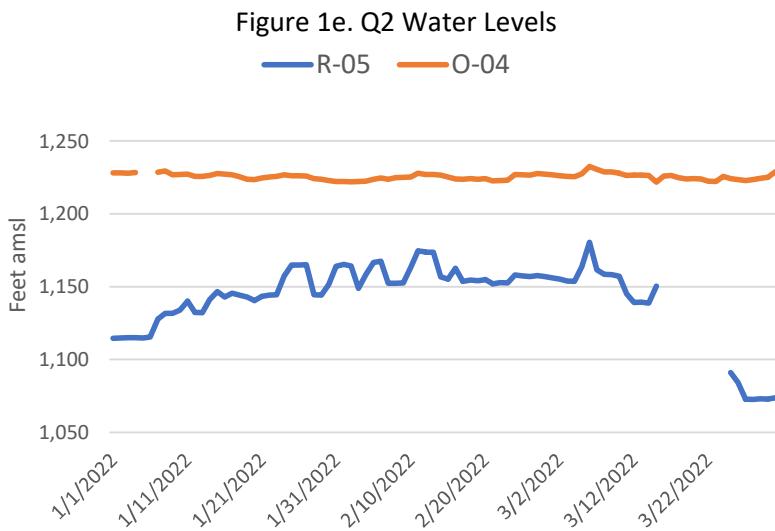
Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells



Notes:

Refer to preceding Daily Average Water Level Elevations Tables (Tables 1 - 3) for details on missing data points.

Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells



Notes:

Refer to preceding Daily Average Water Level Elevations Tables (Tables 1 - 3) for details on missing data points.

Q1 2022 DAILY HYDRAULIC GRADIENT FOR RECOVERY WELL PAIRINGS

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 4. January 2022 Daily Average Gradients

Date	R-01		R-02		R-03		R-04	R-05	R-06		R-07		R-08		All Gradients <1 foot?
	O-01	O-07	O-01	O-02	O-02	O-03	O-03	O-04	O-04	O-05	O-05	O-06	O-06	O-07	
1/1/2022	6.32	14.50	38.46	39.73	74.73	76.26	87.14	113.49	74.09	68.66	5.71	4.29	13.10	13.36	Yes
1/2/2022	7.02	15.47	37.06	38.36	74.59	76.32	87.65	113.24	73.87	68.48	5.78	4.29	10.52	10.99	Yes
1/3/2022	7.02	15.40	37.21	38.38	74.44	76.29	88.01	113.02	73.67	68.31	5.78	4.30	9.41	9.83	Yes
1/4/2022	6.90	15.34	37.27	38.39	74.26	76.30	88.39	113.23	73.79	68.14	5.82	4.28	5.15	5.52	Yes
1/5/2022	6.94	15.27	37.33	38.45	74.30	76.27	88.66	NA	NA	67.90	5.71	4.58	4.67	4.90	Yes
1/6/2022	5.62	NA	39.12	40.27	74.75	76.61	89.25	NA	NA	67.74	5.74	NA	NA	NA	Yes
1/7/2022	6.85	NA	38.09	39.02	76.72	77.98	88.04	100.70	55.51	52.45	4.35	NA	NA	NA	Yes
1/8/2022	6.68	16.40	36.83	15.33	54.65	81.06	91.55	97.76	48.55	45.96	3.24	2.54	15.31	14.97	Yes
1/9/2022	6.57	14.62	36.84	11.43	50.54	81.42	91.93	95.08	45.96	45.94	2.99	1.55	16.68	15.31	Yes
1/10/2022	8.14	14.82	47.06	47.76	78.83	79.45	90.68	93.06	56.12	56.35	3.66	1.97	13.07	12.69	Yes
1/11/2022	NA	NA	46.66	47.18	79.19	79.44	93.45	87.03	56.53	56.82	3.53	1.78	8.41	8.17	Yes
1/12/2022	NA	NA	48.60	48.94	77.51	78.43	93.66	93.41	56.25	56.94	3.57	1.73	9.15	8.72	Yes
1/13/2022	NA	NA	48.98	49.37	77.97	78.59	94.58	93.58	55.89	56.68	3.50	1.76	2.06	1.91	Yes
1/14/2022	NA	NA	40.54	33.06	69.17	79.04	90.46	85.07	49.21	49.55	4.69	3.01	14.97	13.81	Yes
1/15/2022	NA	NA	38.18	29.52	50.62	61.86	89.99	81.14	43.89	44.14	4.50	2.91	22.11	21.13	Yes
1/16/2022	NA	NA	40.17	31.58	49.95	61.39	91.74	84.35	44.29	44.53	4.76	3.06	22.41	21.38	Yes
1/17/2022	NA	NA	38.41	29.80	49.43	59.69	89.16	81.41	43.83	44.08	4.52	2.87	15.23	14.28	Yes
1/18/2022	NA	NA	38.41	29.70	53.68	63.87	88.39	81.09	43.62	43.95	4.14	2.66	17.83	17.26	Yes
1/19/2022	NA	NA	38.59	30.16	37.69	47.93	87.86	80.88	43.62	43.95	4.36	2.86	20.45	20.01	Yes
1/20/2022	18.16	26.45	35.78	24.64	39.84	50.09	85.07	83.02	43.52	43.97	4.23	2.94	21.85	21.09	Yes
1/21/2022	18.07	26.72	34.06	22.04	43.23	55.83	86.73	81.30	43.40	43.91	4.11	2.90	NA	NA	Yes
1/22/2022	18.01	26.31	33.97	22.27	47.38	60.84	88.72	81.10	43.37	43.87	4.13	2.92	NA	NA	Yes
1/23/2022	15.32	23.39	36.11	23.76	NA	NA	92.35	81.21	43.30	43.84	4.41	3.32	NA	NA	Yes
1/24/2022	14.83	22.81	34.73	22.65	48.53	61.56	90.35	69.34	50.57	51.07	2.57	1.49	NA	NA	Yes
1/25/2022	15.62	24.19	33.67	22.27	44.57	57.64	89.12	61.39	54.69	55.20	NA	NA	NA	NA	Yes
1/26/2022	15.03	23.63	33.45	22.74	45.49	58.04	89.70	61.22	54.41	55.03	NA	NA	NA	NA	Yes
1/27/2022	11.56	20.19	33.09	22.97	46.10	58.63	86.14	60.89	54.26	54.83	NA	NA	NA	NA	Yes
1/28/2022	11.29	19.95	33.32	22.49	43.82	55.80	84.24	79.71	54.37	55.11	NA	NA	NA	NA	Yes
1/29/2022	11.34	19.74	33.45	21.47	42.74	56.05	84.31	79.50	54.33	54.96	NA	NA	NA	NA	Yes
1/30/2022	10.05	18.24	33.58	22.50	43.20	55.13	83.89	71.38	56.74	57.29	NA	NA	NA	NA	Yes
1/31/2022	11.32	19.76	32.60	22.16	41.86	53.55	131.58	58.14	53.66	53.95	NA	NA	NA	NA	Yes

Notes:

All measurements in elevation above mean sea level.

NA or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

1/5 - 1/6/2022 O-04 redevelopment

1/6 - 1/7/2022 Pump & transducers pulled from O-06 and O-07 for a logging test

1/11 - 1/19/2022 R-01 redevelopment

1/21 - 2/3/2022 R-08 redevelopment

1/23/2022 R-03 transducer malfunction

1/25 - 2/3/22 R-07 redevelopment

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 5. February 2022 Daily Average Gradients

Date	R-01		R-02		R-03		R-04	R-05	R-06		R-07		R-08		All Gradients <1 foot?
	O-01	O-07	O-01	O-02	O-02	O-03	O-03	O-04	O-04	O-05	O-05	O-06	O-06	O-07	
2/1/2022	11.38	19.79	31.18	21.62	42.94	53.75	129.93	56.89	51.11	51.42	NA	NA	NA	NA	Yes
2/2/2022	11.51	19.66	32.68	23.96	40.56	51.71	130.85	57.92	44.51	44.62	NA	NA	12.73	11.96	Yes
2/3/2022	12.72	18.93	33.57	24.73	43.53	52.35	124.00	73.30	40.58	40.87	NA	NA	15.50	14.14	Yes
2/4/2022	NA	NA	32.44	20.65	41.95	56.78	123.87	64.27	40.59	40.55	7.79	6.49	16.84	16.68	Yes
2/5/2022	NA	NA	31.49	19.87	43.13	58.88	123.12	57.05	40.72	40.35	4.04	2.55	16.83	16.73	Yes
2/6/2022	NA	NA	31.46	20.22	44.30	60.26	128.73	57.03	40.70	40.28	4.60	2.96	20.20	19.94	Yes
2/7/2022	NA	NA	32.09	20.98	42.90	61.79	123.61	71.50	44.95	44.29	7.02	5.27	17.94	17.59	Yes
2/8/2022	NA	NA	33.09	22.49	43.48	60.89	NA	72.54	40.49	39.89	5.25	3.54	18.37	18.15	Yes
2/9/2022	NA	NA	33.12	22.30	43.68	60.89	NA	72.60	40.42	39.86	8.60	6.93	17.96	17.80	Yes
2/10/2022	12.52	15.03	26.70	16.18	43.26	57.65	NA	62.28	39.37	38.32	6.83	1.71	15.12	13.92	Yes
2/11/2022	13.69	20.14	21.91	9.05	43.67	65.35	NA	53.39	39.94	39.24	4.06	2.37	14.20	13.38	Yes
2/12/2022	13.44	20.19	21.99	8.81	42.14	64.83	NA	53.29	39.87	39.15	4.14	2.41	13.38	12.57	Yes
2/13/2022	13.44	20.19	21.99	8.81	42.14	64.83	NA	53.29	39.87	39.15	4.14	2.41	12.66	11.85	Yes
2/14/2022	12.94	19.98	31.75	18.61	41.38	66.33	NA	69.77	39.42	38.51	5.06	3.22	15.90	15.40	Yes
2/15/2022	13.27	20.91	32.13	13.20	32.94	67.89	NA	69.95	39.74	38.67	5.18	3.10	10.50	9.70	Yes
2/16/2022	11.85	19.22	26.63	6.46	52.33	91.80	100.61	61.29	39.91	38.91	4.66	2.59	17.47	16.30	Yes
2/17/2022	10.17	17.26	31.84	12.64	60.93	NA	NA	70.15	50.01	49.03	4.83	3.15	17.17	16.66	Yes
2/18/2022	10.28	17.02	31.88	13.31	NA	NA	NA	69.55	49.06	47.99	5.39	3.80	17.88	17.60	Yes
2/19/2022	11.54	18.24	31.09	13.49	NA	NA	NA	69.46	48.85	47.80	5.20	3.64	16.88	16.57	Yes
2/20/2022	11.58	18.06	31.17	14.55	NA	NA	NA	69.39	48.72	47.64	5.22	3.64	16.89	16.49	Yes
2/21/2022	10.76	16.98	31.48	15.87	NA	NA	NA	70.55	49.28	48.24	5.35	3.68	17.09	16.14	Yes
2/22/2022	10.33	16.83	31.51	16.86	NA	NA	NA	70.03	48.86	47.79	5.29	3.69	16.95	16.55	Yes
2/23/2022	10.63	16.36	31.48	18.06	NA	NA	82.36	70.36	49.05	47.86	5.33	3.05	17.71	16.86	Yes
2/24/2022	11.03	17.00	31.06	17.48	NA	NA	87.59	68.94	48.26	46.98	5.20	3.56	18.12	17.50	Yes
2/25/2022	10.67	15.66	31.26	18.40	NA	NA	75.06	69.31	47.68	46.99	5.19	3.59	18.09	16.34	Yes
2/26/2022	10.43	17.04	30.10	21.28	NA	NA	73.14	69.64	47.83	47.16	5.15	1.83	16.34	16.88	Yes
2/27/2022	10.28	16.32	31.32	23.00	NA	NA	72.79	70.04	47.91	46.82	5.13	3.53	18.05	17.59	Yes
2/28/2022	10.05	13.29	30.69	21.49	NA	NA	69.94	70.29	47.83	46.69	5.13	2.97	16.79	13.25	Yes

Notes:

All measurements in elevation above mean sea level.

NA or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

2/4 - 2/9/2022 R-01 redevelopment

2/8 - 2/15/2022 R-04 redevelopment

1/25 - 2/3/2022 R-07 redevelopment

1/21 - 2/1/2022 R-08 redevelopment

2/17 - 2/22/2022 O-03 prep for redevelopment

2/18 - 3/1/2022 R-03 redevelopment

Q1 2022 DAILY HYDRAULIC GRADIENT FOR RECOVERY WELL PAIRINGS

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 6. March 2022 Daily Average Gradients

Date	R-01		R-02		R-03		R-04	R-05	R-06		R-07		R-08		All Gradients <1 foot?
	O-01	O-07	O-01	O-02	O-02	O-03	O-03	O-04	O-04	O-05	O-05	O-06	O-06	O-07	
3/1/2022	10.43	14.70	31.28	15.99	NA	NA	69.36	70.68	47.41	46.48	4.92	3.64	16.86	14.50	Yes
3/2/2022	10.29	14.61	31.66	15.39	59.30	52.59	69.41	70.99	47.25	46.35	4.92	3.61	16.89	14.24	Yes
3/3/2022	10.49	13.88	33.40	16.57	62.67	55.13	68.94	71.67	47.18	46.35	4.53	3.17	17.08	14.30	Yes
3/4/2022	NA	13.60	NA	15.92	63.14	52.46	65.73	71.86	46.99	46.23	4.69	3.34	16.80	13.60	Yes
3/5/2022	NA	14.16	NA	16.31	63.50	54.87	67.06	63.60	42.80	41.98	4.44	3.17	15.04	12.47	Yes
3/6/2022	NA	14.24	NA	16.59	62.69	56.87	70.69	52.09	36.39	35.64	3.66	2.67	12.31	9.71	Yes
3/7/2022	NA	15.29	NA	25.65	79.73	73.21	75.27	69.04	44.78	44.18	4.53	3.41	15.44	12.93	Yes
3/8/2022	NA	16.46	NA	28.40	84.87	77.96	74.57	70.42	45.93	45.22	4.77	3.42	15.98	13.41	Yes
3/9/2022	11.31	16.44	41.36	29.04	86.17	78.66	74.87	70.38	45.93	45.22	4.78	3.47	16.02	13.57	Yes
3/10/2022	14.15	19.31	44.87	29.77	87.21	78.27	73.02	70.65	45.92	45.24	4.87	3.42	16.13	16.53	Yes
3/11/2022	13.55	17.67	51.25	35.78	86.60	78.39	71.97	81.27	45.28	44.76	5.38	4.22	19.20	17.87	Yes
3/12/2022	15.24	19.71	55.01	40.24	87.71	79.61	71.70	87.28	45.72	44.78	6.14	4.40	21.03	19.45	Yes
3/13/2022	15.19	19.52	55.00	41.00	88.93	80.02	71.96	87.21	45.69	44.76	6.13	4.41	20.95	19.40	Yes
3/14/2022	15.20	19.49	55.33	41.87	94.79	85.00	74.46	87.61	45.01	44.19	6.09	4.46	21.60	20.27	Yes
3/15/2022	14.44	19.10	55.53	44.64	103.08	95.53	76.87	71.51	49.95	47.71	6.72	4.36	24.50	23.03	Yes
3/16/2022	5.54	19.67	46.96	40.08	109.13	101.14	80.75	NA	52.57	50.84	6.32	4.17	25.76	24.86	Yes
3/17/2022	13.75	18.43	55.25	41.00	110.43	101.11	79.95	NA	52.28	50.76	5.93	3.91	25.82	24.10	Yes
3/18/2022	14.08	18.78	55.12	41.98	112.15	100.58	79.72	NA	52.52	50.96	6.26	4.26	25.87	24.26	Yes
3/19/2022	8.57	18.38	53.09	45.70	113.57	99.56	75.68	NA	53.50	51.93	6.25	4.31	26.28	25.23	Yes
3/20/2022	5.88	14.86	61.44	53.94	119.50	103.94	77.52	NA	51.79	50.32	6.23	4.33	27.28	26.45	Yes
3/21/2022	10.18	18.84	55.81	50.08	114.41	99.34	64.95	NA	57.02	55.42	6.21	4.34	26.12	24.61	Yes
3/22/2022	7.59	19.88	56.46	56.50	111.53	98.94	62.91	NA	66.26	64.21	6.11	4.39	30.92	29.32	Yes
3/23/2022	10.08	17.17	62.35	58.12	111.39	99.80	NA	NA	67.72	65.19	7.01	5.18	31.38	30.48	Yes
3/24/2022	13.71	19.48	60.69	55.24	104.12	89.84	NA	NA	63.08	60.93	5.96	4.31	31.11	29.67	Yes
3/25/2022	11.87	19.94	61.24	60.64	113.16	96.97	NA	133.16	66.71	64.74	5.90	4.40	31.12	29.65	Yes
3/26/2022	6.57	17.02	59.55	61.18	114.58	98.01	NA	139.28	66.75	64.96	6.08	4.73	31.14	29.86	Yes
3/27/2022	10.42	18.20	26.71	62.40	117.73	100.74	NA	150.00	58.38	56.54	7.14	5.62	31.08	30.82	Yes
3/28/2022	8.24	17.10	53.26	47.18	108.25	98.77	NA	150.74	58.10	56.32	7.08	5.74	30.90	29.75	Yes
3/29/2022	6.16	16.26	50.71	NA	NA	102.10	71.21	151.45	52.80	51.10	6.42	4.96	28.41	27.05	Yes
3/30/2022	9.40	16.77	53.71	53.07	121.85	101.40	108.75	152.20	49.87	48.29	6.08	4.50	26.39	24.84	Yes
3/31/2022	9.42	18.81	63.88	65.48	133.21	110.25	119.93	155.08	56.38	55.20	6.75	5.02	25.81	24.70	Yes

Notes:

All measurements in elevation above mean sea level.

NA or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

2/18 - 3/1/2022 R-03 redevelopment

3/4 - 3/8/2022 O-01 redevelopment

3/16 - 3/24/2022 R-05 redevelopment

3/23 - 3/28/2022 R-04 redevelopment

3/29/2022 O-02 redevelopment

Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells

Figure 1 i. Hydraulic Gradient for Wells Paired with R-01

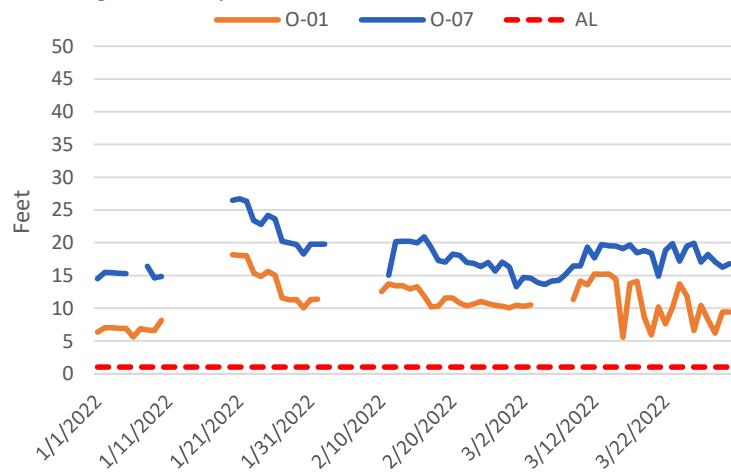


Figure 1j. Hydraulic Gradient for Wells Paired with R-02

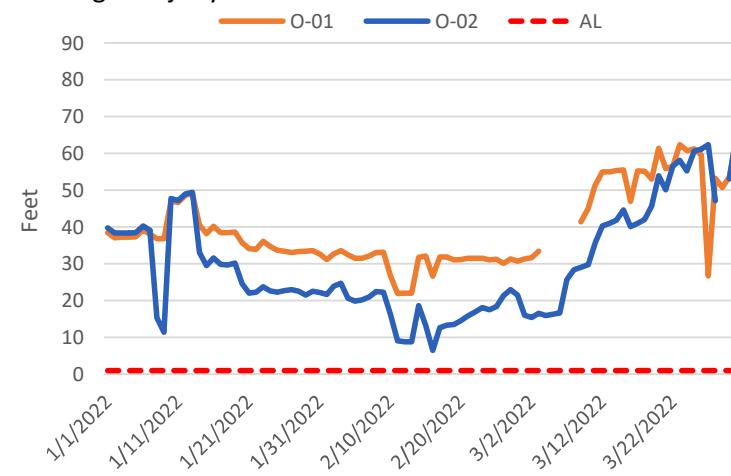


Figure 1k. Hydraulic Gradient for Wells Paired with R-03

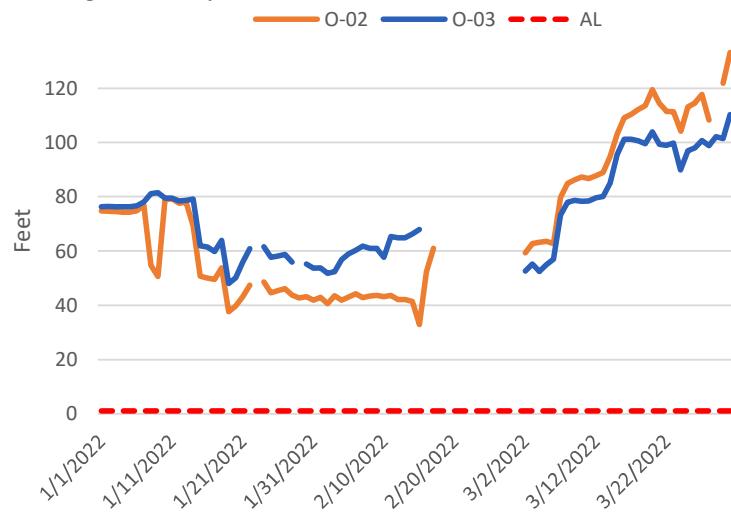


Figure 1l. Hydraulic Gradient for Wells Paired with R-04



Notes:

Refer to preceding Daily Hydraulic Gradient for Recovery Well Pairings Tables (Tables 4 - 6) for details on missing data points.

Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells

Figure 1m. Hydraulic Gradient for Wells Paired with R-05



Figure 1n. Hydraulic Gradient for Wells Paired with R-06

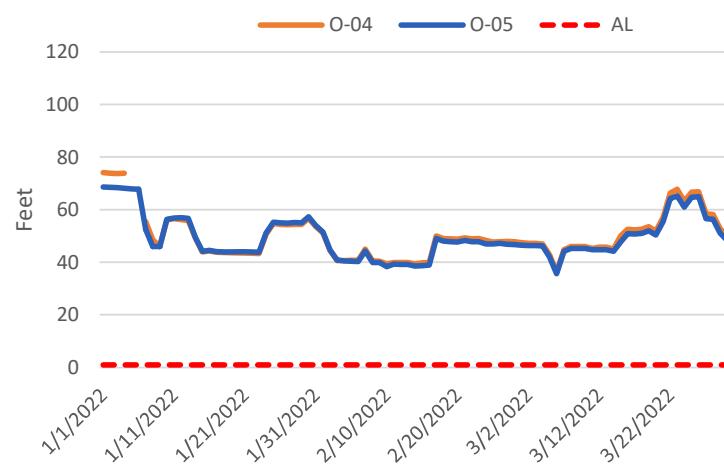


Figure 1o. Hydraulic Gradient for Wells Paired with R-07

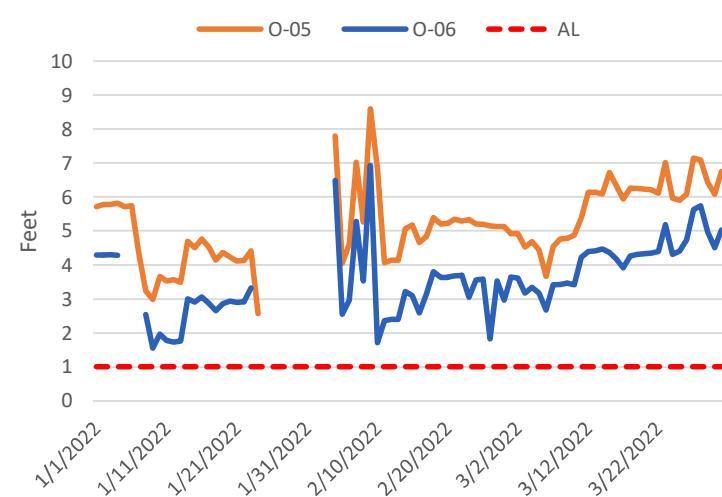
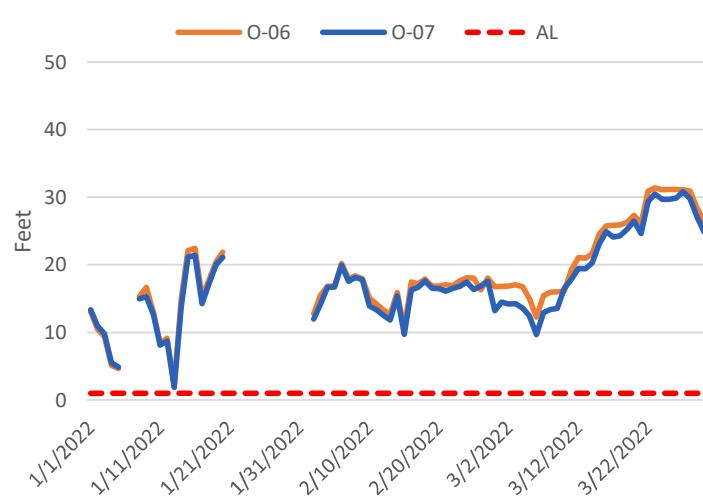


Figure 1p. Hydraulic Gradient for Wells Paired with R-08

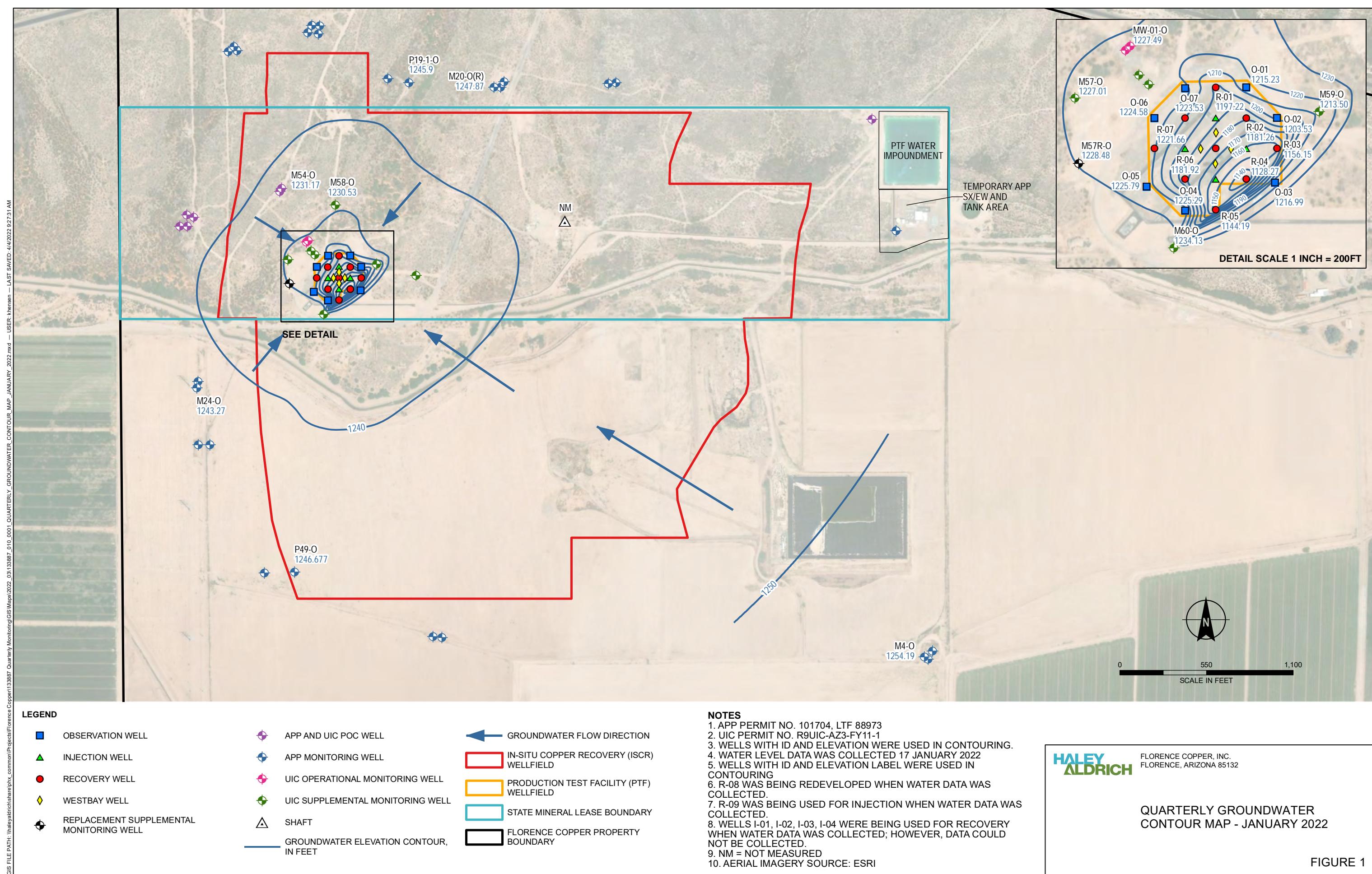


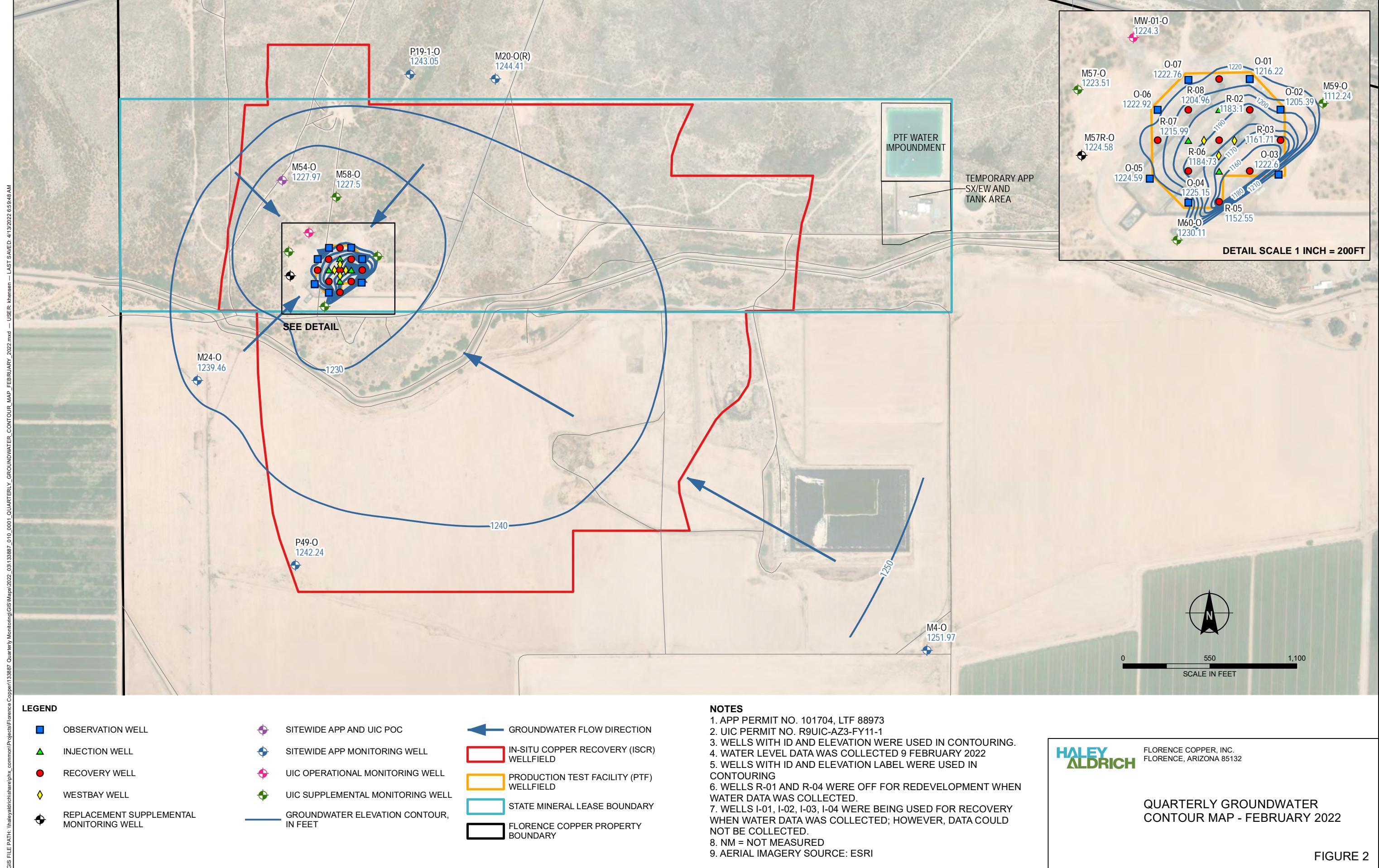
Notes:

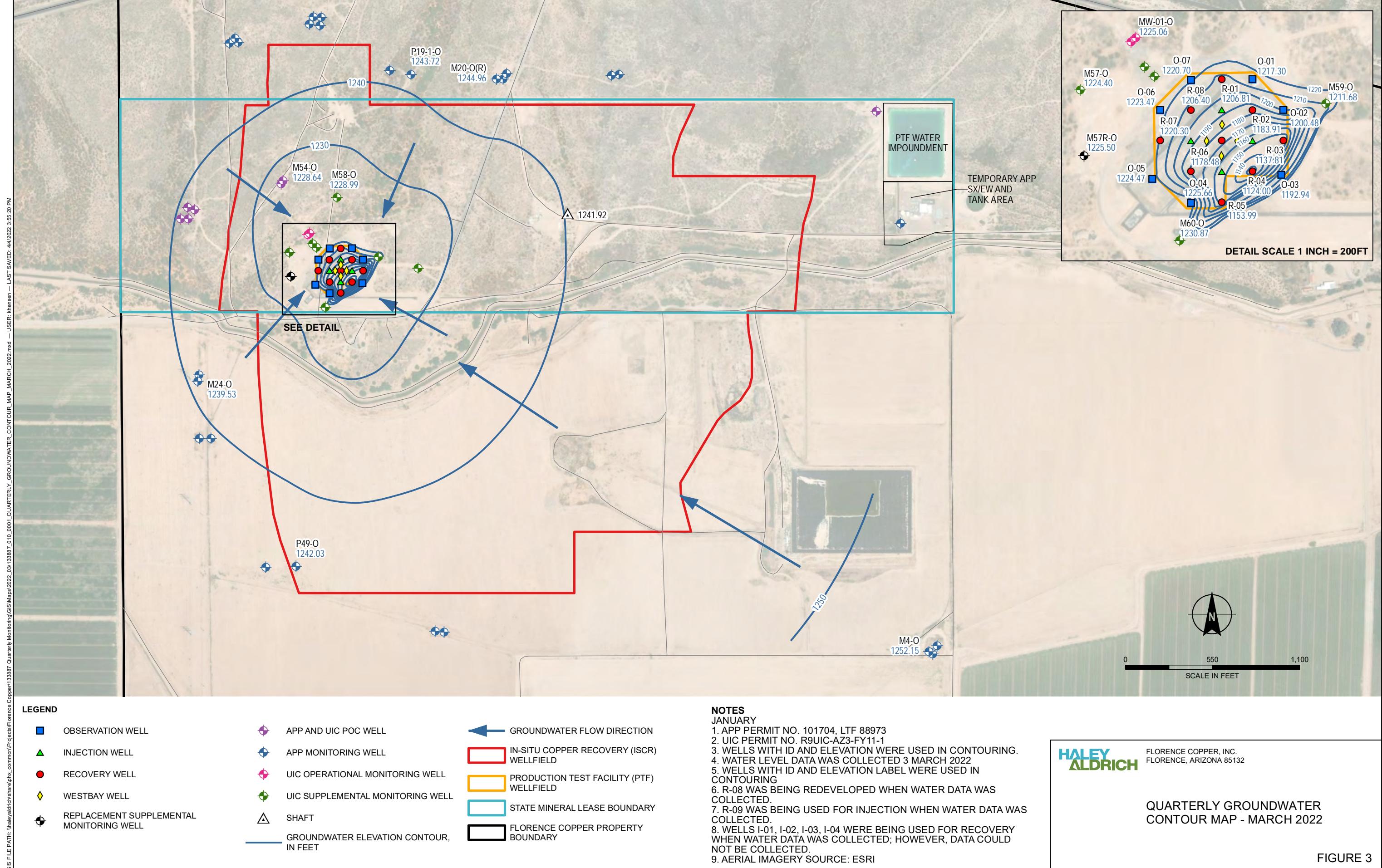
Refer to preceding Daily Hydraulic Gradient for Recovery Well Pairings Tables (Tables 4 - 6) for details on missing data points.

ATTACHMENT 3

Monthly Potentiometric Surface Maps







ATTACHMENT 4

Well Bore Annular Conductivity Device Readings



ANNULAR CONDUCTIVITY DATA QA PROCEDURE & DOCUMENTATION FORM (V.1)

GENERAL

HGI Project Name: 2018-030 - FCP Bulk & Annular Conductivity Monitoring	Project Site: Florence Copper Project	Weather Conditions: WINDY, 65°F, SUNNY
Date 11/11/2022	Field Operator Name: C. BALDYKA	Start and End Time: 1240 1340

EQUIPMENT

		DIAGNOSTICS	MEASUREMENT SETTINGS
(See back of sheet for detailed instructions and procedures)			

AGI MiniSting (MS) Serial #: S0608049
HGI Cray Interface Panel SN#: CR-ES-002

6Ω Resistor Standard	• No. Cycles: 4
Result: 6.462	• Max Error: OFF
Pass Criteria: 6.25Ω ± 0.30	• Max Current: 20mA
Circle One: Pass or Fail	• Measure Time: 3.6
	• Measure mode: RESISTANCE

DATA COLLECTION:

WELL ID	Time (24h)	Current (1 mA)	1			2			3			Data Acceptance Pass = P, Fail = F
			Reading	Resistance (ΔV = Ω)	Error (σ = %)	Reading	Resistance (ΔV = Ω)	Error (σ = %)	Reading	Resistance (ΔV = Ω)	Error (σ = %)	
1 WB-04	1250	20	1	60.68	1.1	2	59.95	2.3	3	59.73	2.5	P
2 WB-03	1257	20	4	77.41	0.8	5	75.56	1.1	6	74.71	1.3	P
3 WB-02	1300	20	7	79.09	2.2	8	79.79	2.5	9	79.94	2.6	P
4 WB-OV	1303	20	10	52.60	1.4	11	50.79	0.7	12	49.97	0.8	P
5 B-01	1308	20	13	71.35	0.7	14	71.12	0.9	15	71.12	1.0	P
6 B-07	1312	20	16	61.99	0.2	17	61.45	0.6	18	61.34	0.8	P
7 B-06	1315	20	19	57.34	1.2	20	55.34	1.0	21	54.50	1.2	P
8 B-05	1320	20	22	89.64	0.3	23	88.82	0.5	24	88.52	0.6	P
9 B-04	1324	20	25	53.13	1.5	21	51.24	0.6	22	50.66	0.7	P
10 B-03	1328	20	28	60.70	1.1	29	58.31	1.7	30	58.71	1.3	P
11 B-02	1332	20	31	64.23	1.6	32	64.35	1.8	33	64.27	1.9	P

Well ID's that begin with a "B" correspond to the wells that begin with an "O" in standard reporting. For example, B-01 corresponds to O-01.

DATA QUALITY ACCEPTANCE			FIELD OBSERVATIONS		
Measurement Error Evaluation Pass Criteria: 66% (2/3) of measurement error values less than 5%			<small>(Directly above site-specific criteria of site maximum, some solar/electro array, or other parameter/limit may influence findings.)</small> SAMPLING BY STACEY ALDRICH AIRLIFTING C PW-05		
SIGNATURES					
<small>As signature, I declare that the data contained in this document is true and accurate to the best of my knowledge and belief.</small> <small>CHUCK HEDGES 11/11/2022</small> Field Operator Signature/Date			<small>As signature, I declare that the data contained in this document is true and accurate to the best of my knowledge and belief.</small> <small>CHUCK HEDGES 11/11/2022</small> Data Inspector Signature/Date		

ATTACHMENT 5

Summary of Pressure Transducer and Fracture Gradient Readings

Q1 2022 DAILY WELLHEAD PRESSURES - INJECTION WELLS

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Table 1. January 2022 Wellhead Pressures

Date	I-01			I-02			I-03			I-04			R-09			Fracture Gradient
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	
1/1/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	8.03	6.38	9.58	112.89		
1/2/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	8.46	2.80	16.96	112.89		
1/3/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	9.12	3.22	21.06	112.89		
1/4/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	14.82	7.26	26.48	112.89		
1/5/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	25.34	23.36	28.27	112.89		
1/6/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	31.01	17.03	43.66	112.89		
1/7/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	38.77	26.40	43.66	112.89		
1/8/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	18.44	16.83	29.79	112.89		
1/9/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	19.30	18.38	20.22	112.89		
1/10/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	27.13	19.69	33.57	112.89		
1/11/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	24.66	21.73	30.41	112.89		
1/12/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	22.25	20.57	25.83	112.89		
1/13/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	28.38	25.09	33.02	112.89		
1/14/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	21.53	13.48	33.02	112.89		
1/15/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	18.70	14.36	23.79	112.89		
1/16/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	16.78	15.04	19.21	112.89		
1/17/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	19.75	9.05	29.98	112.89		
1/18/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	13.39	8.40	32.80	112.89		
1/19/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	17.83	14.85	25.41	112.89		
1/20/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	22.79	13.30	29.26	112.89		
1/21/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	31.56	17.95	55.47	112.89		
1/22/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	31.84	27.56	37.52	112.89		
1/23/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	34.37	30.79	35.58	112.89		
1/24/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	35.46	30.37	42.28	112.89		
1/25/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	35.46	30.37	42.28	112.89		
1/26/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	33.14	27.27	41.19	112.89		
1/27/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	32.96	30.56	39.18	112.89		
1/28/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	34.06	27.06	38.99	112.89		
1/29/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	33.02	28.25	39.65	112.89		
1/30/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	32.09	31.01	35.39	112.89		
1/31/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	33.33	19.23	35.80	112.89		

Notes:

All measurements is pounds per square inch (psi)

NM = Not measured or otherwise not available

1/1 - 3/11/2022 Injection wells were used as recovery wells

1/1 - 3/11/2022 R-09 was operated as the sole injection well

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

P-Wellhead = P-TOS - P-Col = [P-Frac x D-TOS] - [D-TOS / Conv] Where:

P-Fracture = Pressure allowed at the top of the injection well screen (TOS) = 0.65 psi/foot of depth

D-TOS = Depth to top of injection well screens = 520 feet

P-TOS = Total pressure allowed at top of screen = P-Fracture x D-TOS = 0.65 psi/foot x 520 feet = 338 psi

Conv = Feet of Water per psi = 2.31 feet/psi

P-Col = Pressure from weight of water column at TOS = 520 feet / 2.31 feet/psi = 225.11 psi

P-Wellhead = Allowable pressure at the top of the wellhead = P-TOS - P-Col = 338 psi - 255.1 psi = 112.89 psi

Q1 2022 DAILY WELLHEAD PRESSURES - INJECTION WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

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Table 2. February 2022 Wellhead Pressures

Date	I-01			I-02			I-03			I-04			R-09			Fracture Gradient
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	
2/1/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	33.71	29.79	36.77	112.89		
2/2/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	35.00	16.92	46.50	112.89		
2/3/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	38.84	20.19	66.68	112.89		
2/4/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	43.59	35.33	51.76	112.89		
2/5/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	53.92	50.62	55.91	112.89		
2/6/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	56.95	51.55	62.24	112.89		
2/7/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	55.89	51.08	59.68	112.89		
2/8/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	58.16	54.71	59.96	112.89		
2/9/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	58.16	56.86	59.96	112.89		
2/10/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	56.84	11.06	60.99	112.89		
2/11/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	55.99	17.15	60.06	112.89		
2/12/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	56.22	39.01	60.73	112.89		
2/13/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	56.22	39.01	60.73	112.89		
2/14/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	55.32	0.00	67.42	112.89		
2/15/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	54.25	49.30	60.17	112.89		
2/16/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	52.31	21.51	53.84	112.89		
2/17/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	53.10	21.17	60.15	112.89		
2/18/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	52.46	50.65	53.95	112.89		
2/19/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	53.49	52.49	54.30	112.89		
2/20/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	51.14	42.15	54.31	112.89		
2/21/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	50.35	23.49	60.89	112.89		
2/22/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	51.22	17.89	55.68	112.89		
2/23/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	52.79	39.07	53.95	112.89		
2/24/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	53.15	14.50	56.07	112.89		
2/25/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	55.49	18.84	60.10	112.89		
2/26/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	56.19	19.93	59.84	112.89		
2/27/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	54.47	51.14	60.10	112.89		
2/28/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	51.02	25.40	55.68	112.89		

Notes:

All measurements is pounds per square inch (psi)

NM = Not measured or otherwise not available

1/1 - 3/11/2022 Injection wells were used as recovery wells

1/1 - 3/11/2022 R-09 was operated as the sole injection well

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

$$P\text{-Wellhead} = P\text{-TOS} - P\text{-Col} = [P\text{-Frac} \times D\text{-TOS}] - [D\text{-TOS} / Conv] \text{ Where:}$$

$$P\text{-Frac} = \text{Pressure allowed at the top of the injection well screen (TOS)} = 0.65 \text{ psi/foot of depth}$$

$$D\text{-TOS} = \text{Depth to top of injection well screens} = 520 \text{ feet}$$

$$P\text{-TOS} = \text{Total pressure allowed at top of screen} = P\text{-Frac} \times D\text{-TOS} = 0.65 \text{ psi/foot} \times 520 \text{ feet} = 338 \text{ psi}$$

$$Conv = \text{Feet of Water per psi} = 2.31 \text{ feet/psi}$$

$$P\text{-Col} = \text{Pressure from weight of water column at TOS} = 520 \text{ feet} / 2.31 \text{ feet/psi} = 225.11 \text{ psi}$$

$$P\text{-Wellhead} = \text{Allowable pressure at the top of the wellhead} = P\text{-TOS} - P\text{-Col} = 338 \text{ psi} - 255.1 \text{ psi} = 82.9 \text{ psi}$$

Q1 2022 DAILY WELLHEAD PRESSURES - INJECTION WELLS

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FLORENCE, ARIZONA

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Table 3. March 2022 Wellhead Pressures

Date	I-01			I-02			I-03			I-04			R-09			Fracture Gradient
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	
3/1/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	45.72	16.51	49.45	112.89		
3/2/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	47.43	23.36	51.67	112.89		
3/3/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	45.05	41.83	47.37	112.89		
3/4/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	49.22	32.17	53.26	112.89		
3/5/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	51.55	47.40	57.71	112.89		
3/6/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	52.51	50.85	54.01	112.89		
3/7/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	51.19	37.20	53.47	112.89		
3/8/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	60.87	51.49	69.30	112.89		
3/9/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	55.44	0.00	66.89	112.89		
3/10/2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	49.04	20.52	56.11	112.89		
3/11/2022	0.07	0.04	0.09	NM	NM	NM	0.00	0.00	0.03	0.01	0.00	2.08	15.84	0.00	51.48	112.89
3/12/2022	0.06	0.03	0.09	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/13/2022	0.06	0.03	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/14/2022	0.06	0.03	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.03	NM	NM	NM	112.89
3/15/2022	0.05	0.03	0.08	NM	NM	NM	0.00	0.00	0.00	0.01	0.00	0.03	NM	NM	NM	112.89
3/16/2022	0.05	0.03	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/17/2022	0.06	0.03	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/18/2022	0.06	0.03	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/19/2022	0.05	0.03	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/20/2022	0.07	0.00	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/21/2022	0.06	0.03	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/22/2022	0.05	0.03	0.08	NM	NM	NM	0.00	0.00	0.01	0.00	0.00	0.00	NM	NM	NM	112.89
3/23/2022	0.06	0.03	0.08	NM	NM	NM	0.00	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
3/24/2022	0.05	0.00	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/25/2022	0.05	0.01	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/26/2022	0.05	0.01	0.07	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/27/2022	0.05	0.00	0.07	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/28/2022	0.05	0.03	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/29/2022	0.07	0.04	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/30/2022	0.06	0.03	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
3/31/2022	0.05	0.03	0.08	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89

Notes:

All measurements is pounds per square inch (psi)

NM = Not measured or otherwise not available

1/1 - 3/11/2022 Injection wells were used as recovery wells

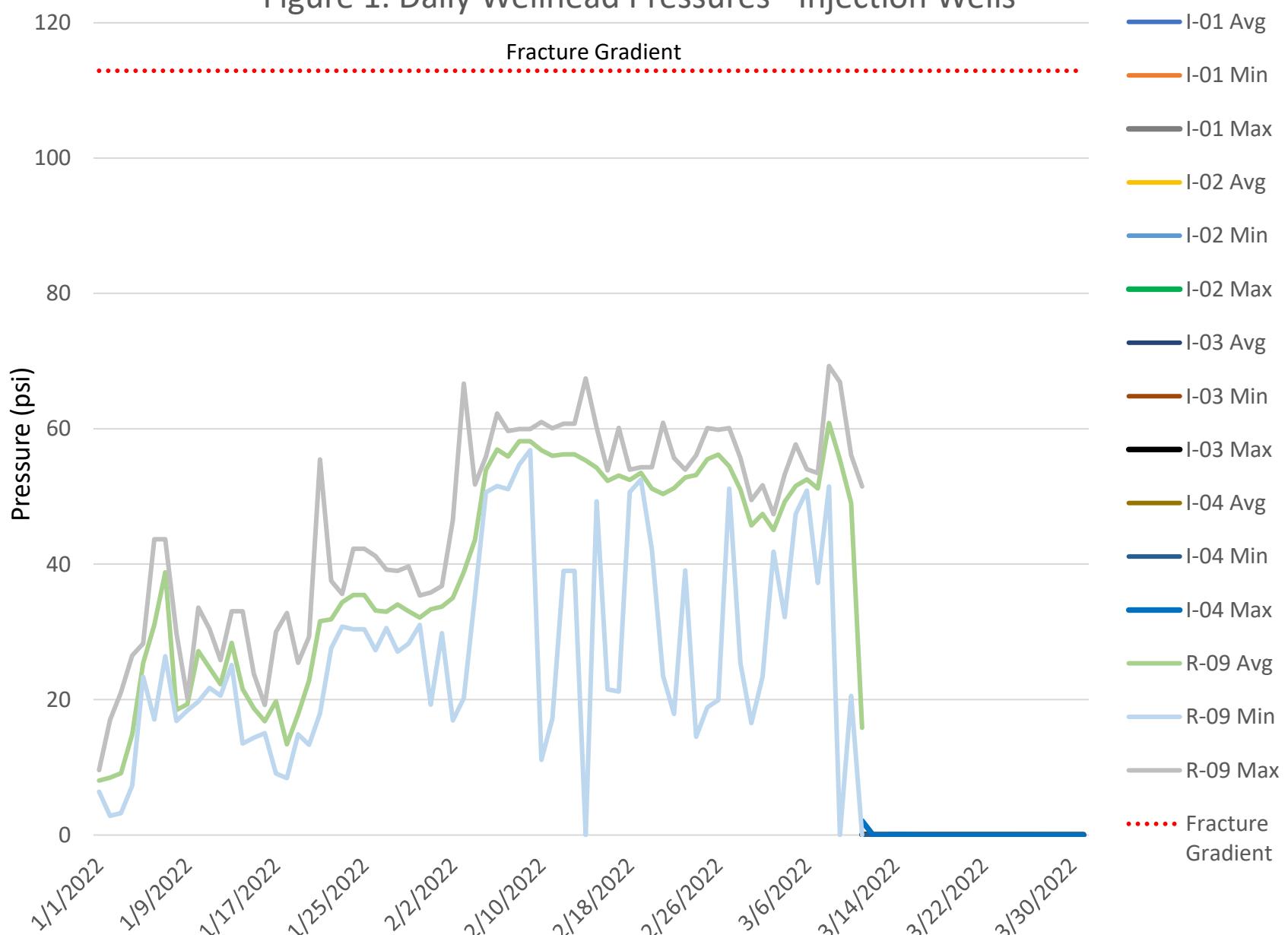
1/1 - 3/11/2022 R-09 was operated as the sole injection well

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

$P\text{-Wellhead} = P\text{-TOS} \cdot P\text{-Col} = [P\text{-Frac} \times D\text{-TOS}] - [D\text{-TOS} / Conv]$ Where:

P-Fracture	= Pressure allowed at the top of the injection well screen (TOS)	=	0.65	psi/foot of depth
D-TOS	= Depth to top of injection well screens	=	520	feet
P-TOS	= Total pressure allowed at top of screen = P-Fracture x D-TOS	=	0.65 psi/foot x 520 feet	338 psi
Conv	= Feet of Water per psi	=	2.31	feet/psi
P-Col	= Pressure from weight of water column at TOS	=	520 feet / 2.31 feet/psi	225.11 psi
P-Wellhead	= Allowable pressure at the top of the wellhead = P-TOS - P-Col	=	338 psi - 225.11 psi	112.89 psi

Figure 1. Daily Wellhead Pressures - Injection Wells



Q1 2022 - DAILY CASING ANNULUS PRESSURES - INJECTION WELLS

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 4. January 2022 Casing Annulus Pressure

Date	I-01			I-02			I-03			I-04			R-09			Fracture Gradient
	Avg	Min	Max	Avg	Min	Max										
1/1/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/2/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/3/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/4/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/5/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/6/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/7/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/8/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/9/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/10/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/11/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/12/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/13/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/14/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/15/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/16/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/17/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/18/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/19/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/20/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/21/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/22/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/23/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/24/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/25/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/26/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/27/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/28/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/29/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/30/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
1/31/2022	NM	NM	NM	0.00	0.00	0.00	112.89									

Notes:

All measurements in pounds per square inch (psi)

1/1 - 3/11/2022 Injection wells were used as recovery wells

1/1 - 3/11/2022 R-09 was operated as the sole injection well

Q1 2022 - DAILY CASING ANNULUS PRESSURES - INJECTION WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

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Table 5. February 2022 Casing Annulus Pressure

Date	I-01			I-02			I-03			I-04			R-09			Fracture Gradient
	Avg	Min	Max	Avg	Min	Max										
2/1/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/2/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/3/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/4/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/5/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/6/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/7/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/8/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/9/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/10/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/11/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/12/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/13/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/14/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/15/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/16/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/17/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/18/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/19/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/20/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/21/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/22/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/23/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/24/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/25/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/26/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/27/2022	NM	NM	NM	0.00	0.00	0.00	112.89									
2/28/2022	NM	NM	NM	0.00	0.00	0.00	112.89									

Notes:

All measurements in pounds per square inch (psi)

1/1 - 3/11/2022 Injection wells were used as recovery wells

1/1 - 3/11/2022 R-09 was operated as the sole injection well

Q1 2022 - DAILY CASING ANNULUS PRESSURES - INJECTION WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

PAGE 3 OF 3

Table 6. March 2022 Casing Annulus Pressure

Date	I-01			I-02			I-03			I-04			R-09			Fracture Gradient
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	
3/1/2022	NM	NM	0.00	0.00	0.00	112.89										
3/2/2022	NM	NM	0.00	0.00	0.00	112.89										
3/3/2022	NM	NM	0.00	0.00	0.00	112.89										
3/4/2022	NM	NM	0.00	0.00	0.00	112.89										
3/5/2022	NM	NM	0.00	0.00	0.00	112.89										
3/6/2022	NM	NM	0.00	0.00	0.00	112.89										
3/7/2022	NM	NM	0.00	0.00	0.00	112.89										
3/8/2022	NM	NM	0.00	0.00	0.00	112.89										
3/9/2022	NM	NM	0.00	0.00	0.00	112.89										
3/10/2022	NM	NM	0.00	0.00	0.00	112.89										
3/11/2022	NM	NM	0.00	0.00	0.00	112.89										
3/12/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/13/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/14/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/15/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/16/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/17/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/18/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/19/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/20/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/21/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/22/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/23/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/24/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/25/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/26/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/27/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/28/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/29/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/30/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	
3/31/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89	

Notes:

All measurements in pounds per square inch (psi)

1/1 - 3/11/2022 Injection wells were used as recovery wells

1/1 - 3/11/2022 R-09 was operated as the sole injection well

Figure 2. Daily Casing Annulus Pressures - Injection Wells



ATTACHMENT 6

Graphical Representation of Fluid Electrical Conductivity Readings from Injection and Observations Wells

INJECTION AND OBSERVATION WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 1. January 2022 Daily Fluid Electrical Conductivity - Injection and Observation Wells

Date	I-01	I-02	I-03	I-04	R-09	O-01	O-02	O-03	O-04	O-05	O-06	O-07
1/1/2022	NA	NA	NA	NA	525	4567	1348	4495	1560	1733	1679	1577
1/2/2022	NA	NA	NA	NA	601	4298	1362	4635	1725	1144	1616	1546
1/3/2022	NA	NA	NA	NA	463	4674	1414	4567	1476	1595	1495	1485
1/4/2022	NA	NA	NA	NA	1012	4196	1365	4835	1511	1668	1546	1563
1/5/2022	NA	NA	NA	NA	780	4151	1553	4516	NA	1651	1535	1496
1/6/2022	NA	NA	NA	NA	891	4082	1352	4832	NA	1610	NA	NA
1/7/2022	NA	NA	NA	NA	877	4230	1450	4670	1228	1638	NA	NA
1/8/2022	NA	NA	NA	NA	595	4304	1841	4853	NA	1671	1589	1154
1/9/2022	NA	NA	NA	NA	2329	4315	1813	4534	1227	1608	1533	1496
1/10/2022	NA	NA	NA	NA	473	4357	1782	4688	NA	1627	1487	1498
1/11/2022	NA	NA	NA	NA	394	4612	1854	4945	1227	1809	1674	1818
1/12/2022	NA	NA	NA	NA	443	4446	1706	4645	1226	1673	1589	1574
1/13/2022	NA	NA	NA	NA	978	4464	1776	4447	1226	1794	1570	1574
1/14/2022	NA	NA	NA	NA	419	4625	1891	5022	NA	1727	1589	1625
1/15/2022	NA	NA	NA	NA	371	4599	2916	4973	NA	1708	1613	1559
1/16/2022	NA	NA	NA	NA	539	4868	2874	4962	NA	1713	1662	1566
1/17/2022	NA	NA	NA	NA	599	5233	3152	4920	1056	1804	1631	1635
1/18/2022	NA	NA	NA	NA	488	4701	2994	5200	1873	1487	1613	1606
1/19/2022	NA	NA	NA	NA	816	4635	3174	4972	1917	1739	1630	1609
1/20/2022	NA	NA	NA	NA	640	4217	2775	4758	1673	1566	1493	1492
1/21/2022	NA	NA	NA	NA	466	4554	2931	4995	1830	1688	1542	1533
1/22/2022	NA	NA	NA	NA	710	4124	2953	4750	1665	1562	1508	1479
1/23/2022	NA	NA	NA	NA	892	4090	2872	4662	1695	1639	1495	1483
1/24/2022	NA	NA	NA	NA	488	3971	2854	4476	1597	1510	1487	1492
1/25/2022	NA	NA	NA	NA	466	3854	2832	4669	1618	1534	1470	1468
1/26/2022	NA	NA	NA	NA	427	3996	2748	4644	1609	1540	1476	1462
1/27/2022	NA	NA	NA	NA	703	3818	2890	4732	1627	1538	1485	1472
1/28/2022	NA	NA	NA	NA	1237	4455	3025	4951	1781	1667	1613	1600
1/29/2022	NA	NA	NA	NA	1479	4253	2822	4892	1778	1683	1589	1594
1/30/2022	NA	NA	NA	NA	1183	3980	2909	4725	1797	1620	1541	1561
1/31/2022	NA	NA	NA	NA	1562	4307	3047	5101	1803	1634	1648	1586

Notes:All measurements in microsiemens per centimeter ($\mu\text{S}/\text{cm}$)

#N/A or NM = Not measured or otherwise not available

1/1 - 3/11/2022 Injection wells were used as recovery w

1/1 - 3/11/2022 R-09 was operated as the sole injection well

1/9/2022 R-09 outlier

No data were available for the following dates/wells:

1/5 - 1/6/2022 O-04 redevelopment

1/8, 1/10, and 1/14 - 1/16/2022 O-04 pump issues

1/6 - 1/7/2022 O-06 & O-07 pump and transducer pulled for logging test

INJECTION AND OBSERVATION WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 2. February 2022 Daily Fluid Electrical Conductivity - Injection and Observation Wells

Date	I-01	I-02	I-03	I-04	R-09	O-01	O-02	O-03	O-04	O-05	O-06	O-07
2/1/2022	NA	NA	NA	NA	1355	4393	2982	4976	1819	1662	1634	1600
2/2/2022	NA	NA	NA	NA	1617	4419	2912	4855	1979	1786	1613	1589
2/3/2022	NA	NA	NA	NA	1650	3964	2683	4522	1591	1504	1505	1466
2/4/2022	NA	NA	NA	NA	1032	4658	2410	4160	2062	1850	1896	1796
2/5/2022	NA	NA	NA	NA	1378	4012	2622	4135	1710	1582	1499	1522
2/6/2022	NA	NA	NA	NA	1144	4625	2842	4535	NA	1702	1608	1550
2/7/2022	NA	NA	NA	NA	1183	4249	2947	4454	1738	1632	1593	1591
2/8/2022	NA	NA	NA	NA	1592	4556	3081	4902	1772	1646	1612	1608
2/9/2022	NA	NA	NA	NA	1519	4295	3098	4823	1779	1660	1604	1612
2/10/2022	NA	NA	NA	NA	1524	4258	3082	4853	1770	1640	1590	1587
2/11/2022	NA	NA	NA	NA	1060	4388	3120	4876	1681	1506	1652	1622
2/12/2022	NA	NA	NA	NA	1847	4477	3240	5161	1693	1586	1649	1667
2/13/2022	NA	NA	NA	NA	1730	4392	3148	4633	1672	1693	1634	1605
2/14/2022	NA	NA	NA	NA	1177	4381	2885	4099	1717	1704	1594	1611
2/15/2022	NA	NA	NA	NA	2114	4364	2846	3759	1752	1544	1403	1517
2/16/2022	NA	NA	NA	NA	721	3874	2926	3712	1619	1500	1446	1479
2/17/2022	NA	NA	NA	NA	978	4586	2918	NA	1732	1623	1658	1485
2/18/2022	NA	NA	NA	NA	1197	3669	3011	NA	1754	1559	1516	1493
2/19/2022	NA	NA	NA	NA	1293	3909	2997	NA	1751	1558	1495	1478
2/20/2022	NA	NA	NA	NA	1681	3812	3045	NA	1744	1575	1517	1510
2/21/2022	NA	NA	NA	NA	1770	3738	2939	NA	1742	1548	1525	1505
2/22/2022	NA	NA	NA	NA	1258	3701	2969	NA	1899	1631	1506	1478
2/23/2022	NA	NA	NA	NA	1376	3737	2910	NA	1765	1625	1516	1490
2/24/2022	NA	NA	NA	NA	1351	3681	2975	NA	1838	1529	1499	1626
2/25/2022	NA	NA	NA	NA	1324	4138	2995	NA	1884	1723	1579	1621
2/26/2022	NA	NA	NA	NA	1466	4113	3115	4708	1827	1665	1587	1561
2/27/2022	NA	NA	NA	NA	1661	4733	3121	4174	1905	1747	1583	1541
2/28/2022	NA	NA	NA	NA	1504	4047	NA	4652	1730	1568	1619	1603

Notes:All measurements in microsiemens per centimeter ($\mu\text{S}/\text{cm}$)

#N/A or NM = Not measured or otherwise not available

1/1 - 3/11/2022 Injection wells were used as recovery wells

1/1 - 3/11/2022 R-09 was operated as the sole injection well

No data were available for the following dates/wells:

2/6/2022 O-04 pump problems

2/17 - 2/22/2022 O-03 prep for redevelopment

2/23 - 2/25/2022 O-03 field measurement error

2/28/2022 O-02 pump work

INJECTION AND OBSERVATION WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 3. March 2022 Daily Fluid Electrical Conductivity - Injection and Observation Wells

Date	I-01	I-02	I-03	I-04	R-09	O-01	O-02	O-03	O-04	O-05	O-06	O-07
3/1/2022	NA	NA	NA	NA	2007	4208	2967	4662	1792	1745	1611	1732
3/2/2022	NA	NA	NA	NA	2197	4182	2828	4543	1877	1675	1619	1604
3/3/2022	NA	NA	NA	NA	1654	4617	3145	4912	1682	1623	1540	1615
3/4/2022	NA	NA	NA	NA	1501	NA	3191	4720	1714	1620	1582	1569
3/5/2022	NA	NA	NA	NA	1662	NA	3125	5116	1797	1639	1690	1686
3/6/2022	NA	NA	NA	NA	2668	NA	3117	4956	1663	1612	1513	1555
3/7/2022	NA	NA	NA	NA	1647	NA	3050	4605	1679	1656	1492	1484
3/8/2022	NA	NA	NA	NA	2428	NA	3026	4550	1749	1619	1616	1520
3/9/2022	NA	NA	NA	NA	742	NA	2955	4553	1706	1774	1761	1762
3/10/2022	NA	NA	NA	NA	1335	NA	2962	NA	1691	1615	1619	1593
3/11/2022	NA	NA	NA	NA	1029	NA	3209	4745	1736	1626	1623	1641
3/12/2022	905	NA	519	481	NA	NA	3604	1555	1620	1607	1624	1658
3/13/2022	591	NA	494	479	NA	NA	2770	4577	1696	1591	1637	1593
3/14/2022	735	NA	561	528	NA	NA	3084	5023	1878	1665	1641	1585
3/15/2022	1397	NA	1221	1645	NA	NA	NA	NA	1907	1632	1647	1691
3/16/2022	1138	NA	1101	1104	NA	5089	2787	4545	1594	1520	1501	1490
3/17/2022	1367	NA	1668	1582	NA	5166	2829	4627	1630	1542	1498	1491
3/18/2022	1514	NA	1466	1463	NA	NA	2859	4603	1821	1613	1597	1634
3/19/2022	1398	NA	1255	1021	NA	4889	2719	4640	1774	1540	1517	1489
3/20/2022	1839	NA	2009	2412	NA	4917	2670	4708	1733	1578	1524	1482
3/21/2022	1757	NA	1558	1578	NA	4986	2537	4687	NA	NA	1510	1501
3/22/2022	1148	NA	1083	1081	NA	5080	2455	4662	1766	NA	1528	1514
3/23/2022	1234	NA	1231	1229	NA	4808	2301	3853	1735	NA	1544	1541
3/24/2022	1303	NA	1319	1353	NA	NA	2631	4806	1742	1603	1619	1579
3/25/2022	1540	NA	2198	2193	NA	NA	2460	4762	1778	1546	1487	1494
3/26/2022	1540	NA	1682	1437	NA	5031	1589	3917	1764	1532	1486	1482
3/27/2022	1111	NA	1248	1123	NA	5104	1818	NA	1757	1551	1500	1482
3/28/2022	1853	NA	1881	1835	NA	5205	1630	3638	1761	1558	1540	1512
3/29/2022	1230	NA	1187	1318	NA	5075	NA	4181	1717	1537	1517	1497
3/30/2022	2157	NA	2104	1920	NA	5037	NA	4424	1768	1560	1502	1510
3/31/2022	1192	NA	1116	1127	NA	5099	2842	4540	1740	1596	1531	1526

Notes:

All measurements in microsiemens per centimeter ($\mu\text{S}/\text{cm}$)

#NA or NM = Not measured or otherwise not available

1/1 - 3/11/2022 Injection wells were used as recovery wells

1/1 - 3/11/2022 R-09 was operated as the sole injection well

No injection took place at Injection well I-02 during the quarter

3/12/2022 O-03 outlier

No data were available for the following dates/wells:

3/4 - 3/15/2022 O-01 redevelopment and pump installation

3/10/2022 O-03 Bladder pump malfunction

3/15/2022 O-01, O-02, O-03 pumps off for electrical work

3/18/2022 O-01 field measurement error

3/21/2022 O-04 pump problem

3/21 - 3/23/2022 O-05 pump repairs/replacement

3/24 - 3/25/2022 O-01 pump off for electrical work

3/27/2022 O-03 field measurement error

3/29 - 3/30/2022 O-02 redevelopment and pump replacement

Figure 1. Daily Fluid Electrical Conductivity in Injection & Observation Wells

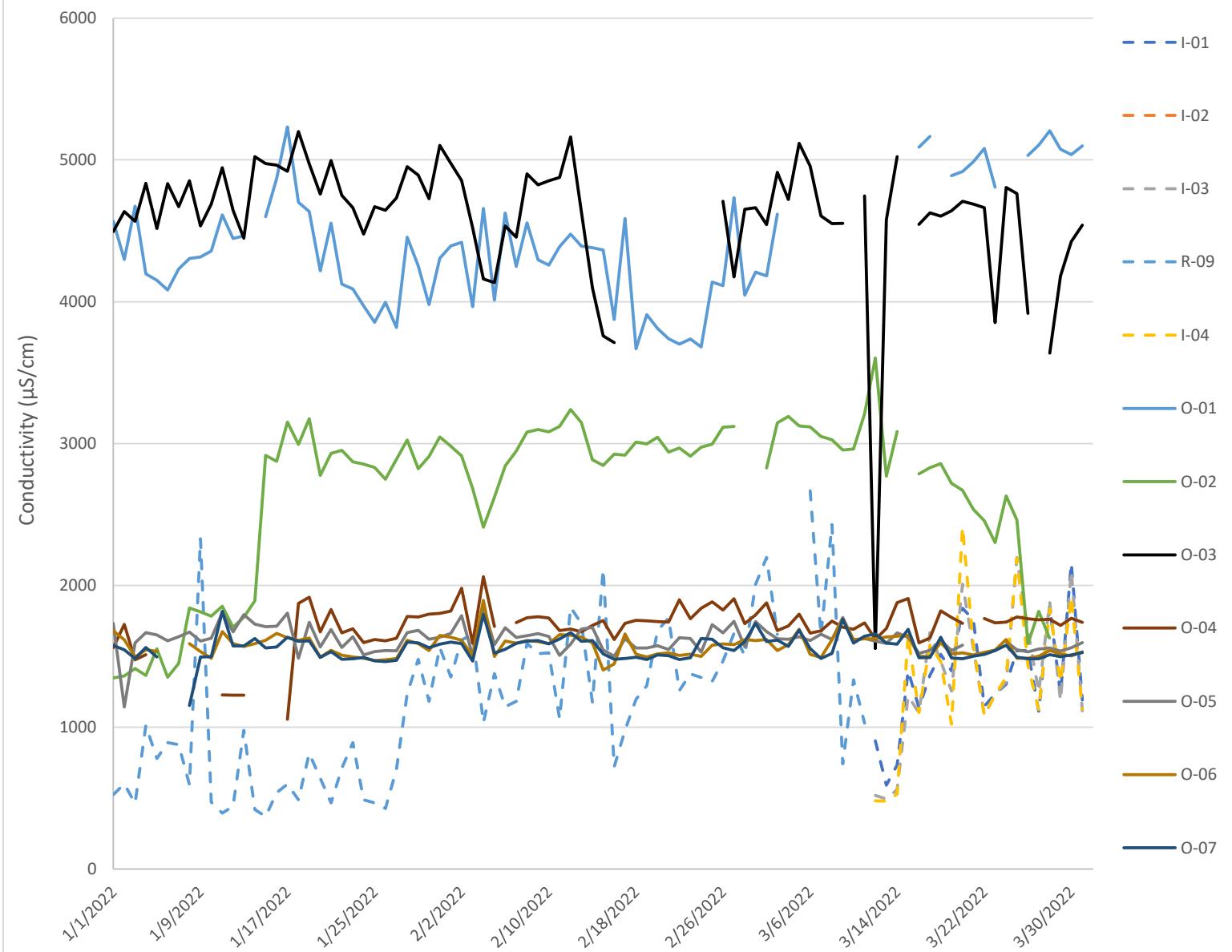
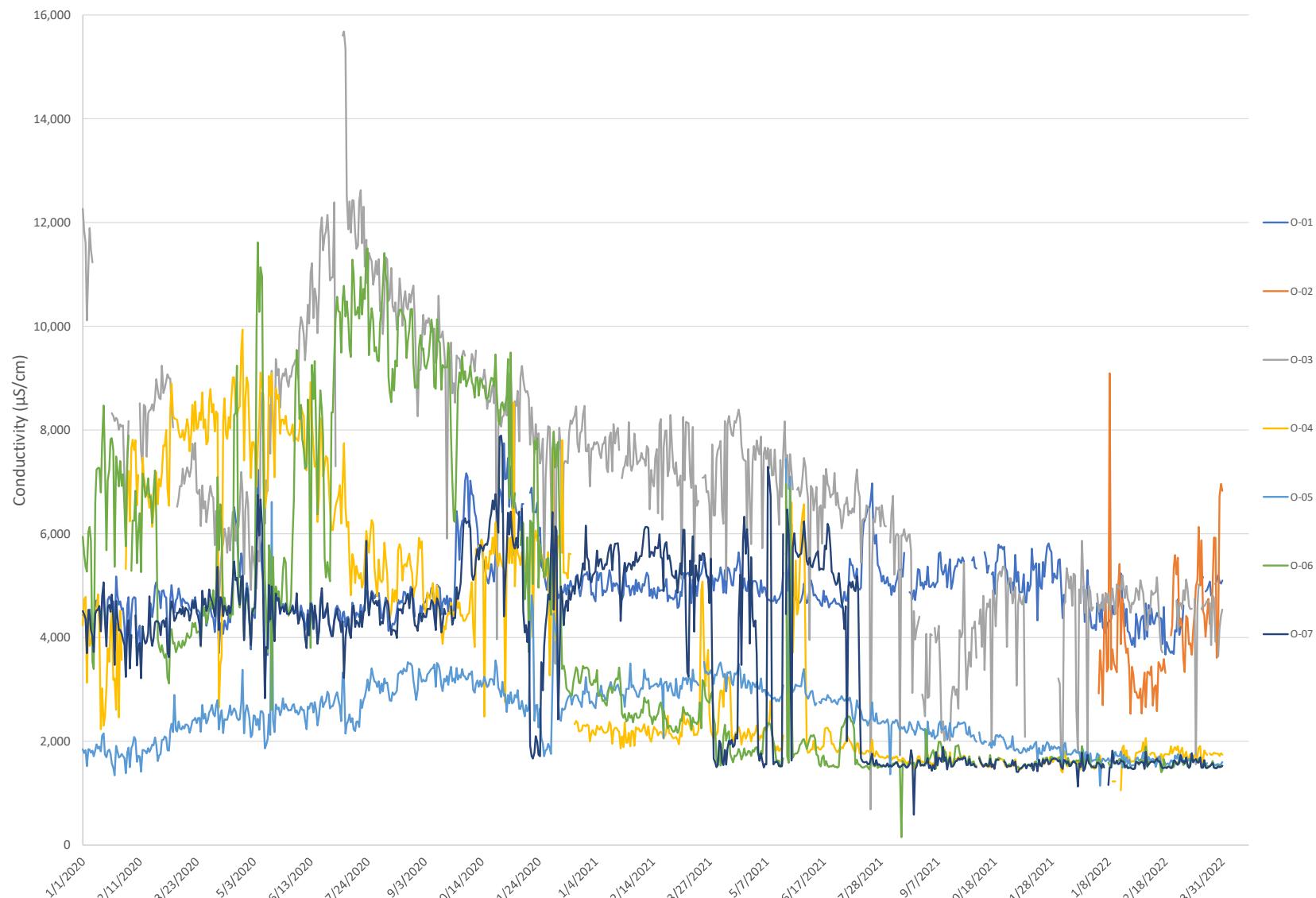


Figure 2. Daily Fluid in Observation Wells Over Past 9 Calendar Quarters



ATTACHMENT 7

Time versus Concentration Plots of Select Groundwater Parameters

M1-GL QUARTERLY CONCENTRATION GRAPHS

Figure 1a. Sulfate

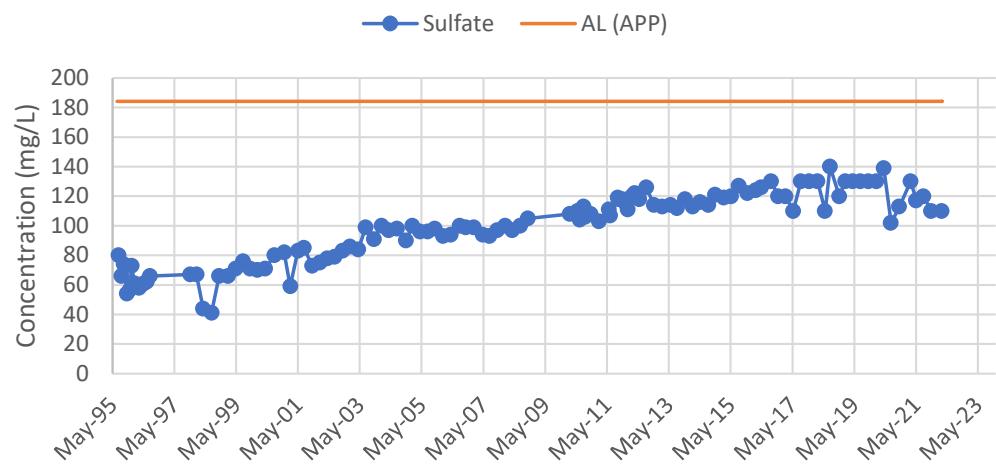


Figure 1b. Total Dissolved Solids

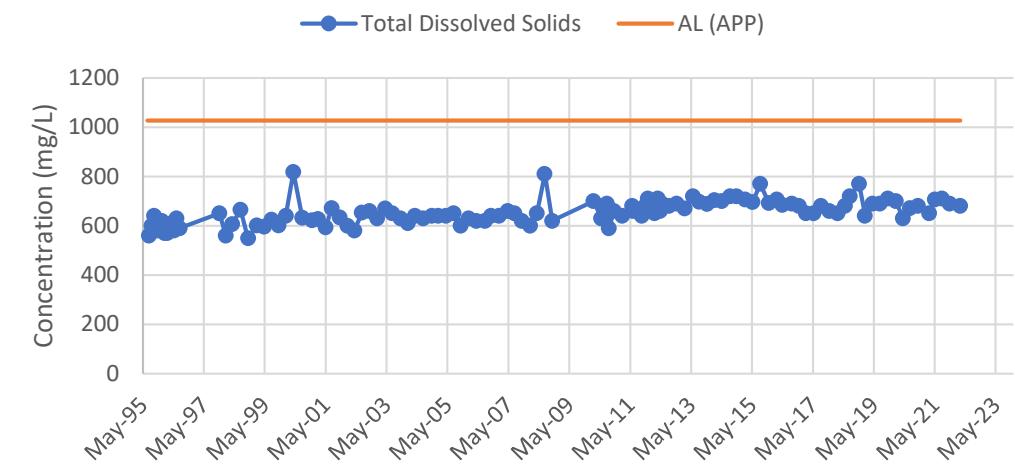


Figure 1c. Field pH

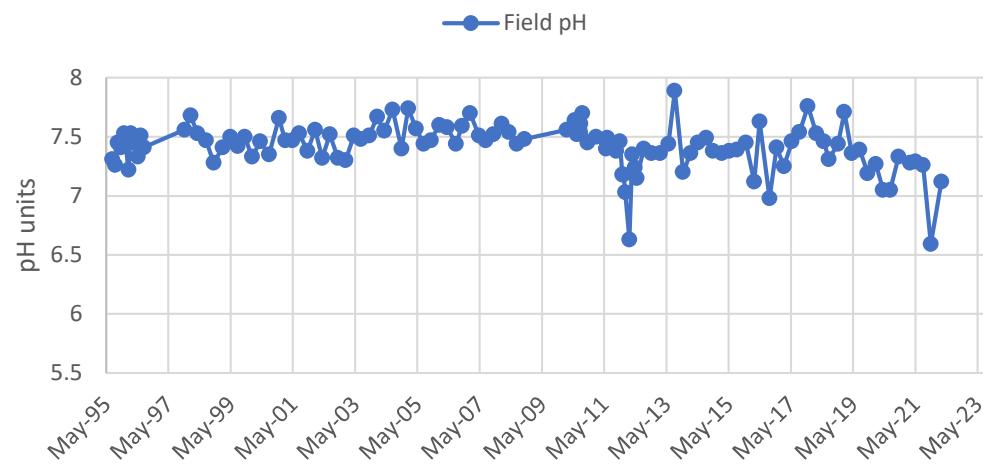
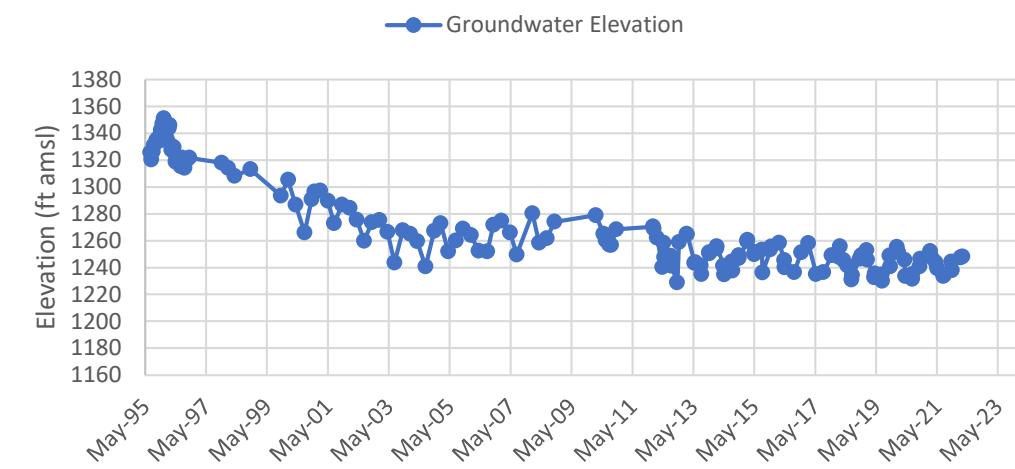


Figure 1d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M2-GU QUARTERLY CONCENTRATION GRAPHS

Figure 2a. Sulfate

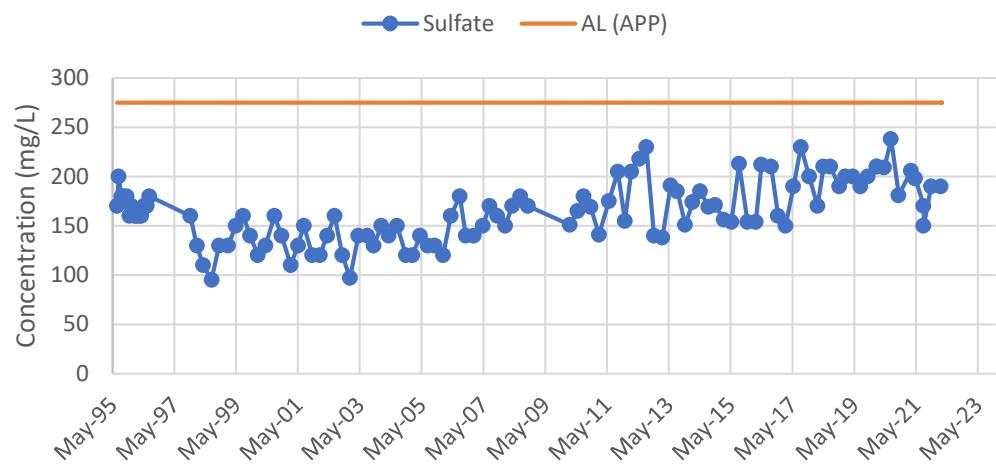


Figure 2b. Total Dissolved Solids

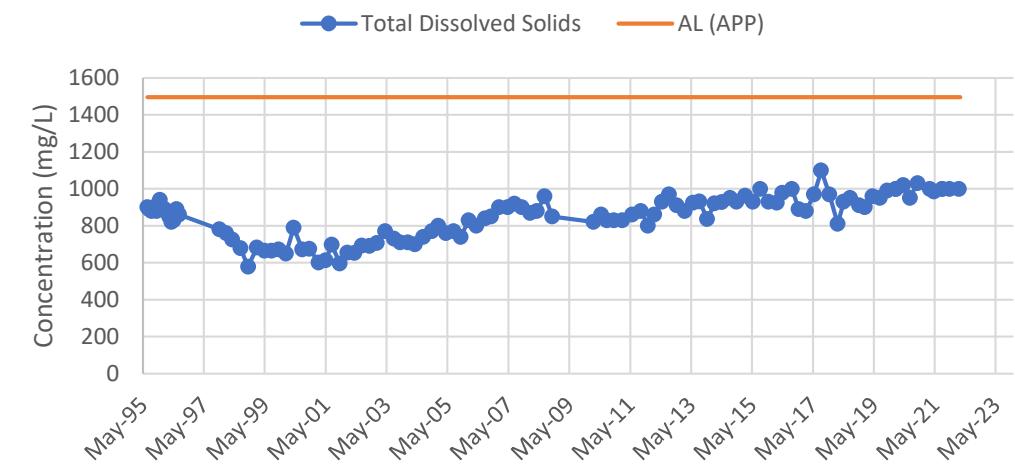


Figure 2c. Field pH

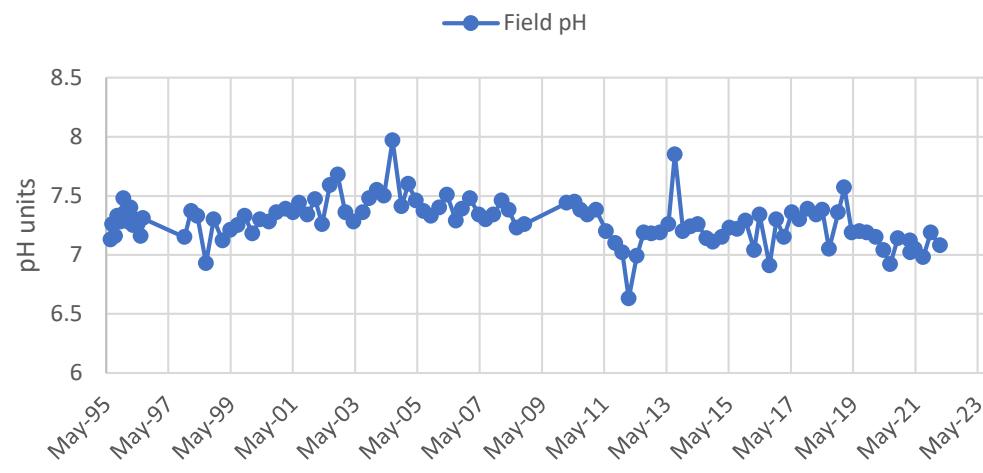
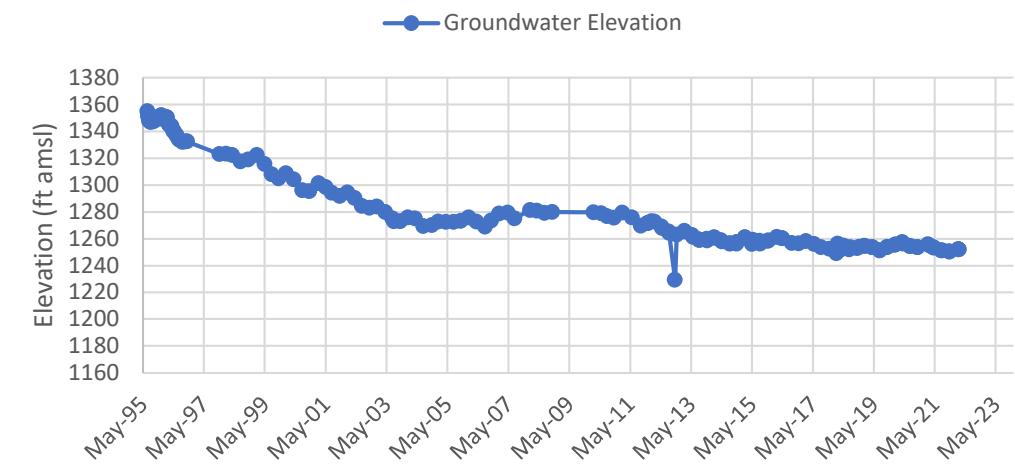


Figure 2d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M3-GL QUARTERLY CONCENTRATION GRAPHS

Figure 3a. Sulfate

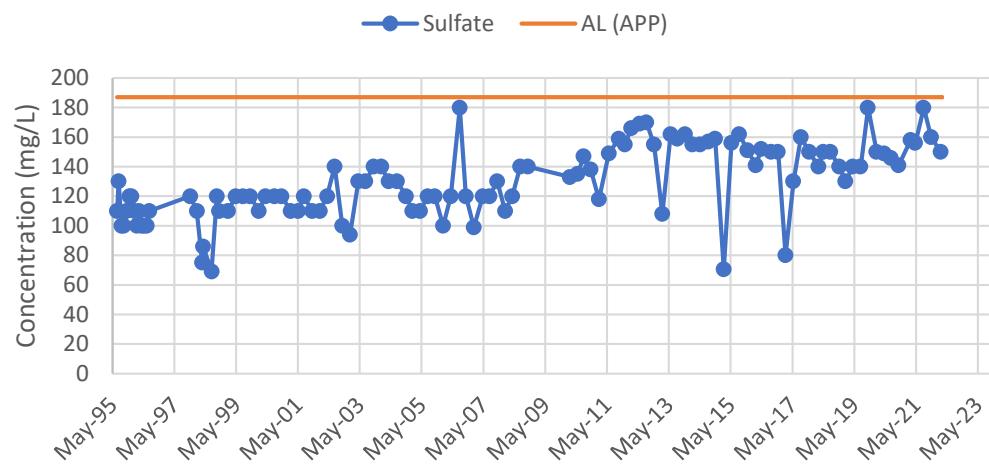


Figure 3b. Total Dissolved Solids

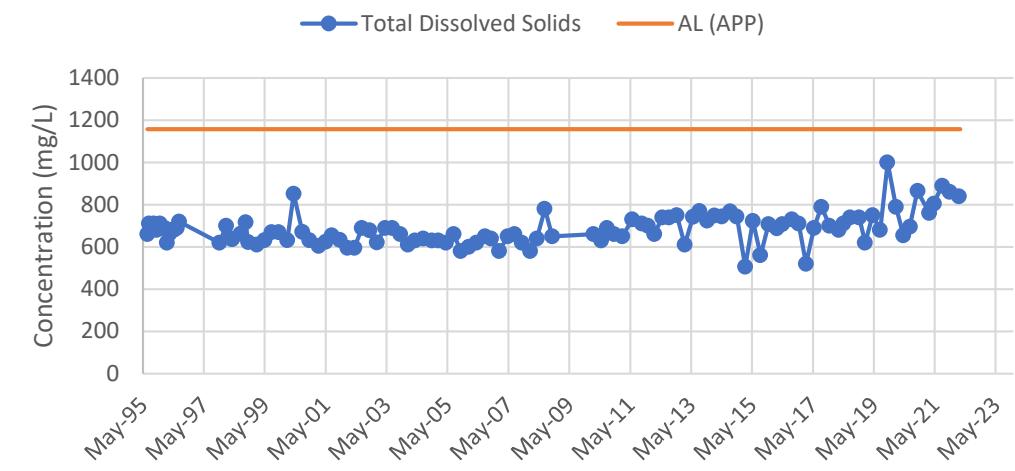


Figure 3c. Field pH

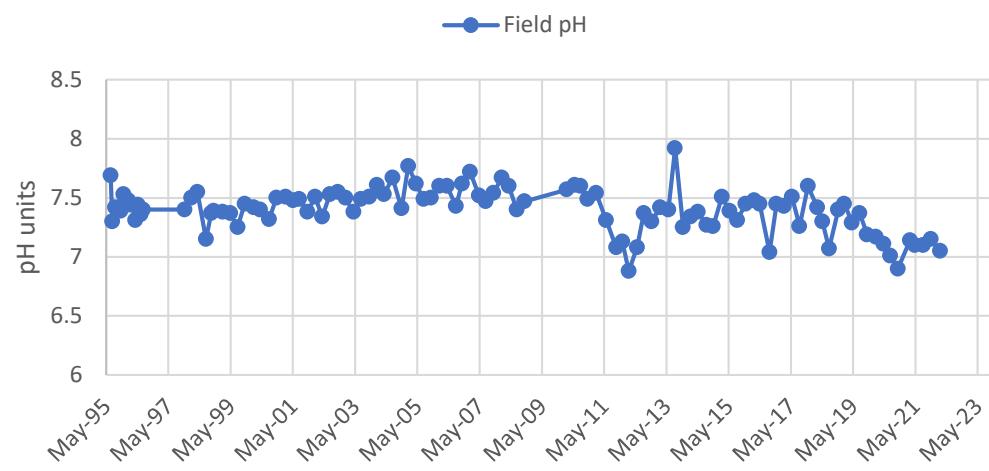
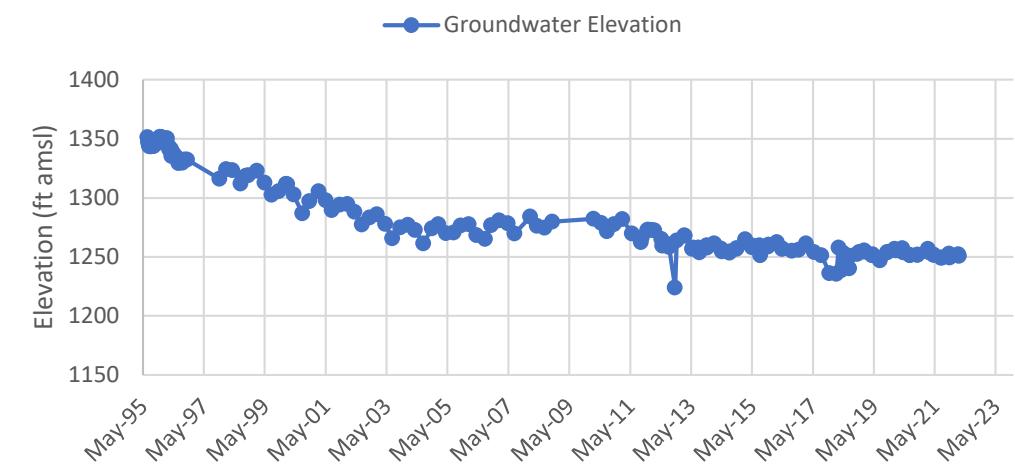


Figure 3d. Groundwater Elevation

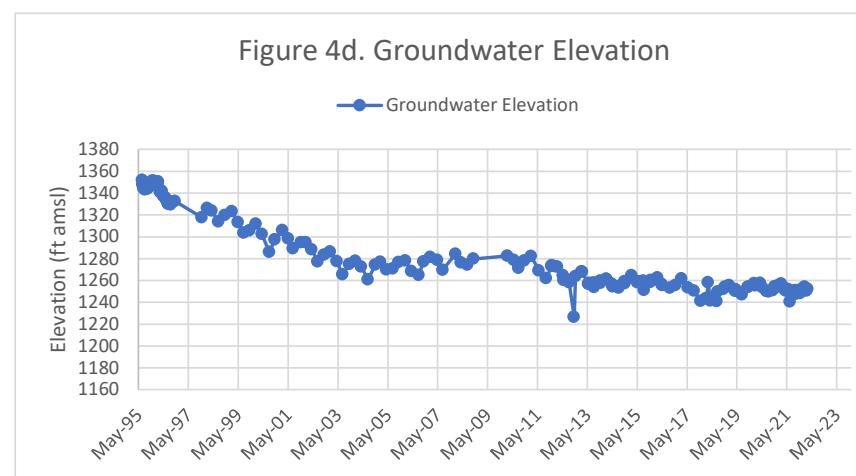
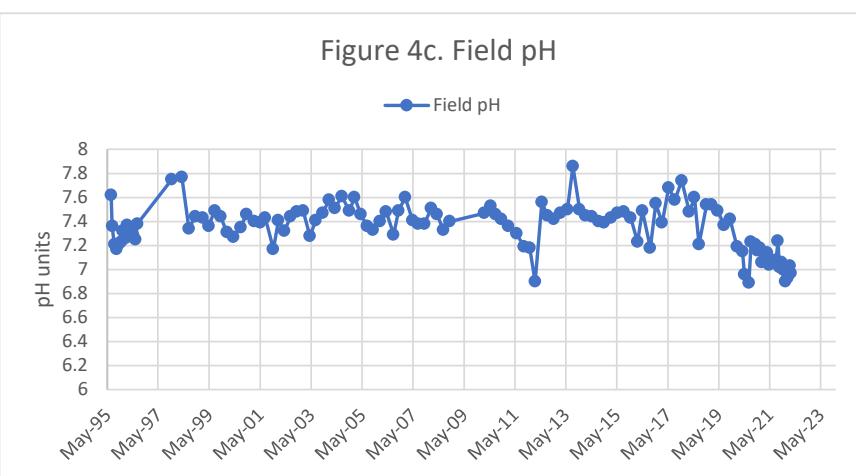
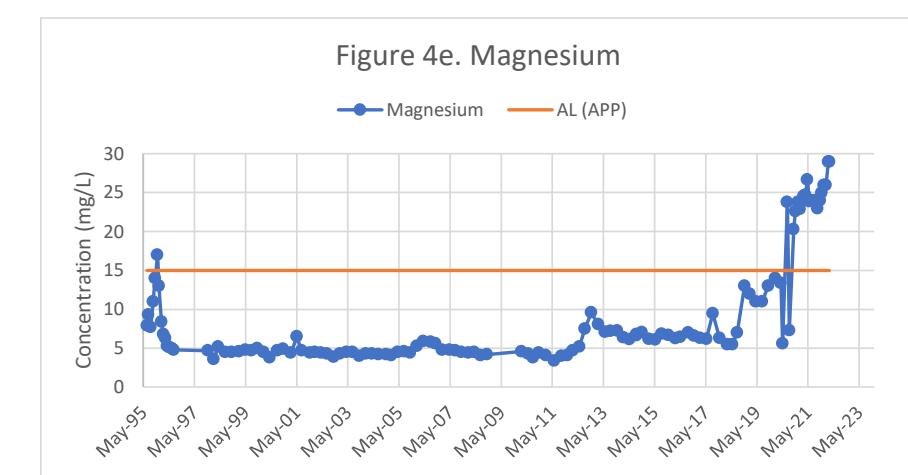
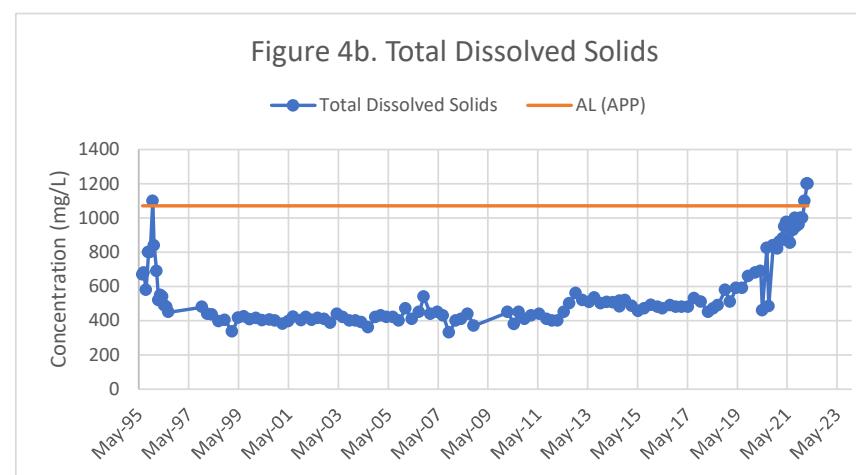
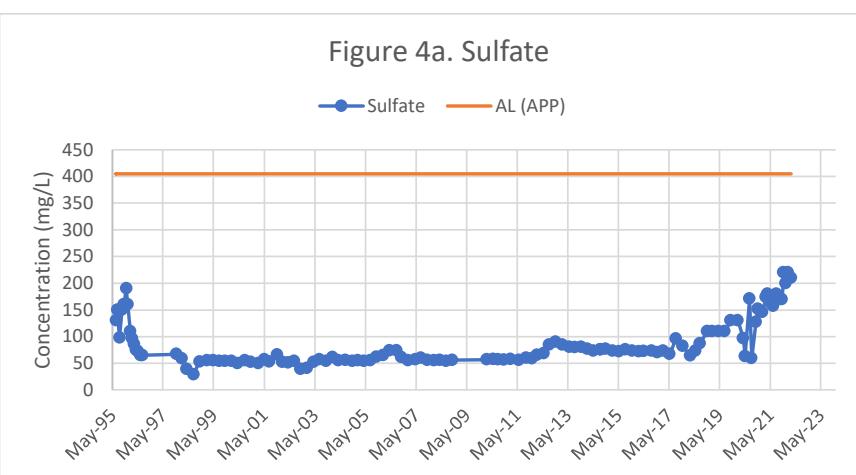


Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M4-O QUARTERLY CONCENTRATION GRAPHS



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M6-GU QUARTERLY CONCENTRATION GRAPHS

Figure 5a. Sulfate

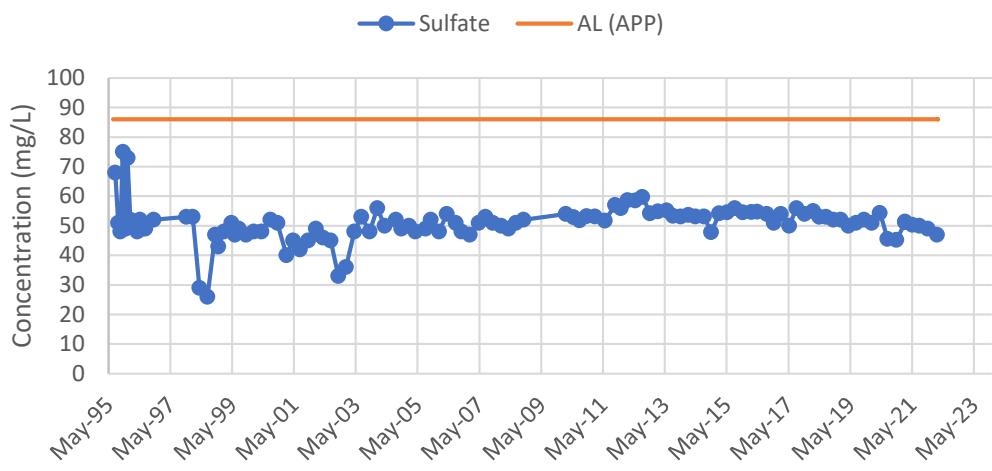


Figure 5b. Total Dissolved Solids

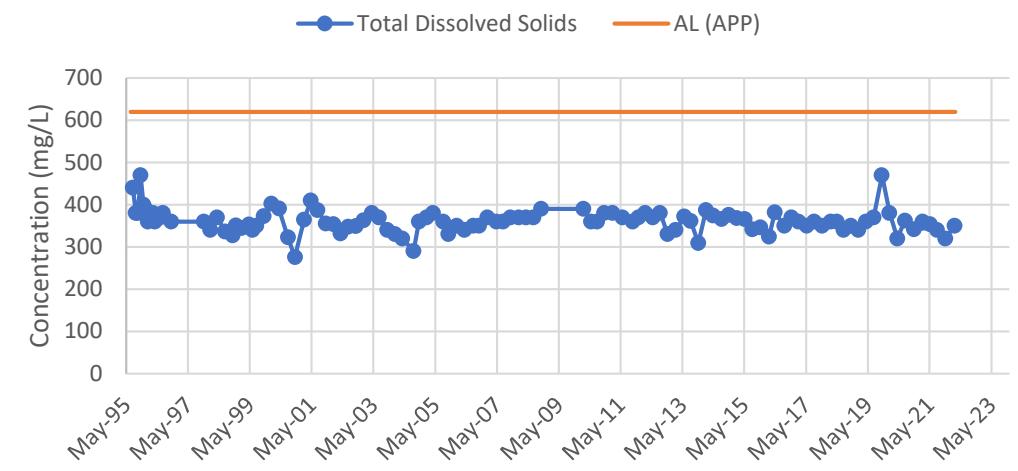


Figure 5c. Field pH

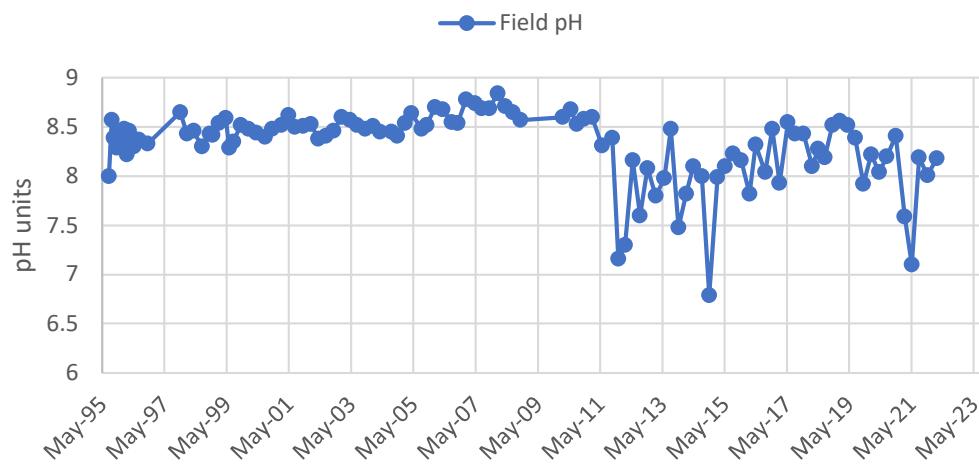
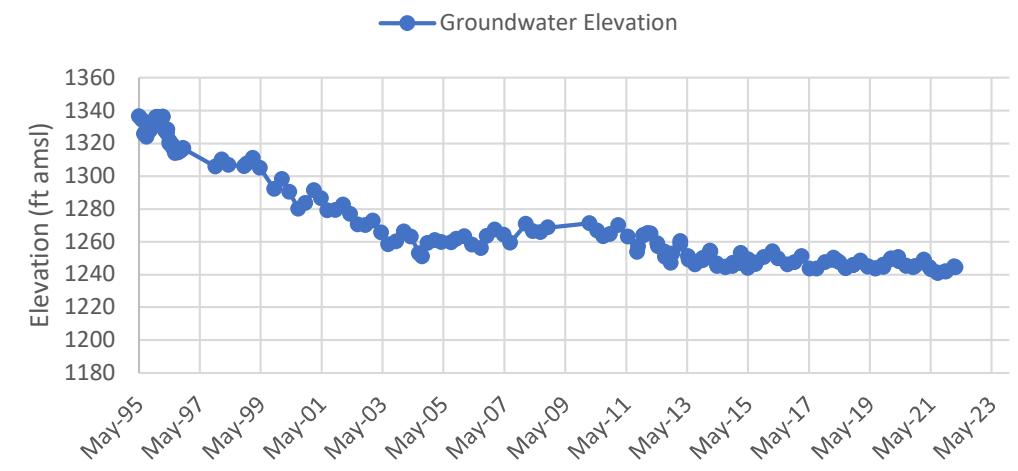


Figure 5d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M7-GL QUARTERLY CONCENTRATION GRAPHS

Figure 6a. Sulfate

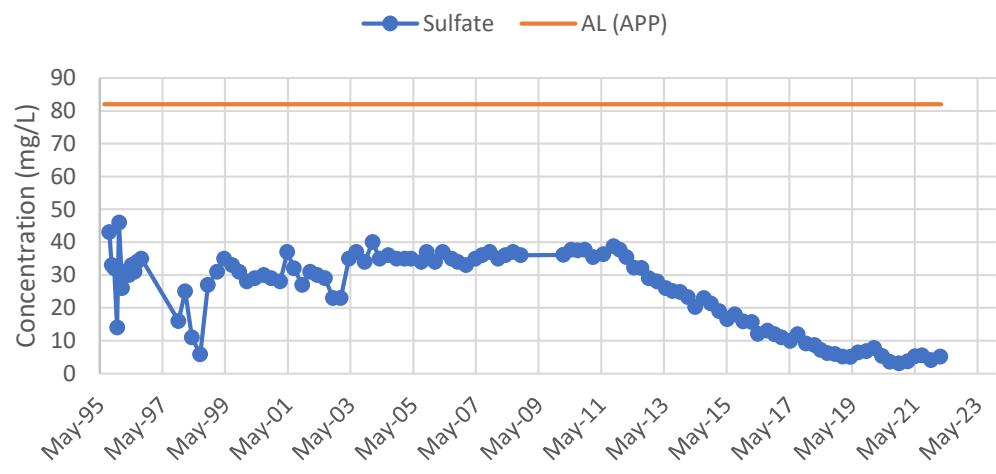


Figure 6b. Total Dissolved Solids

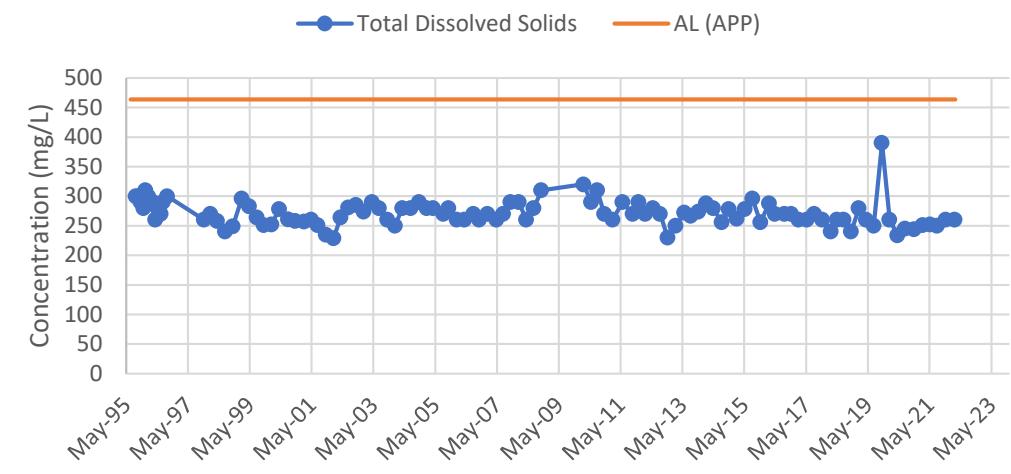


Figure 6c. Field pH

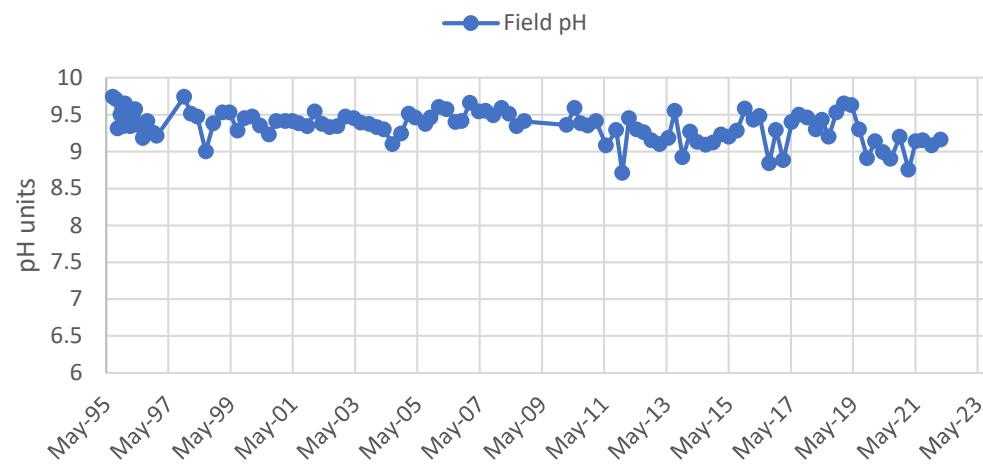
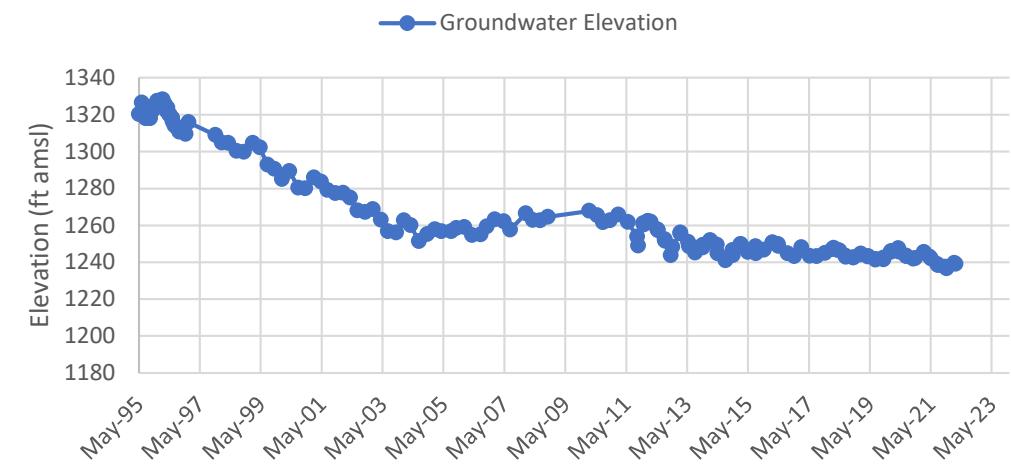


Figure 6d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M8-O QUARTERLY CONCENTRATION GRAPHS

Figure 7a. Sulfate

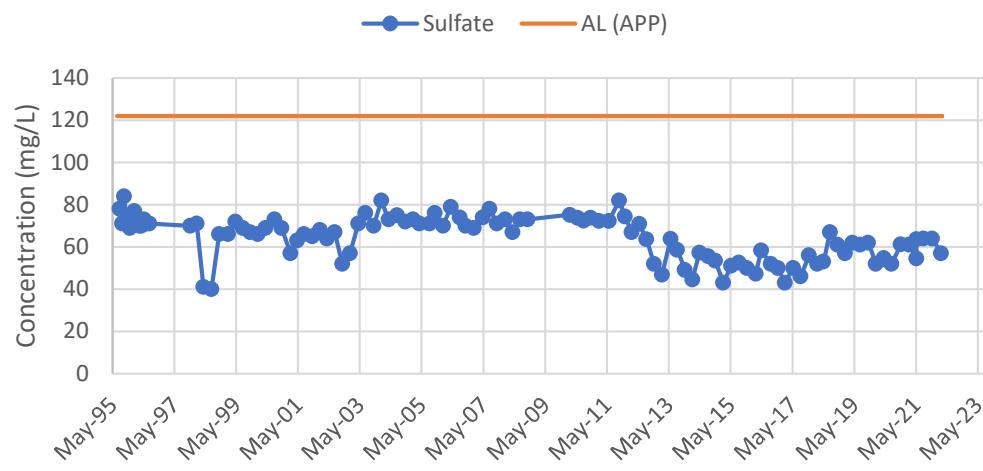


Figure 7b. Total Dissolved Solids

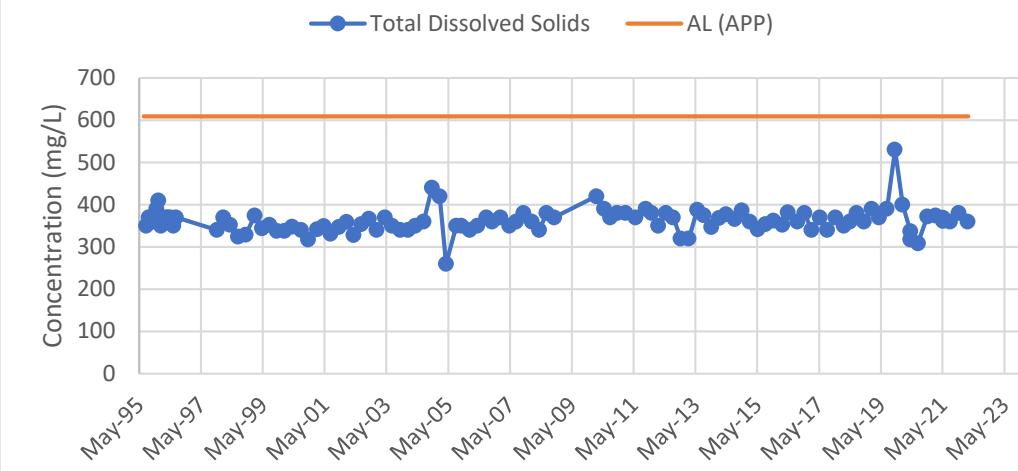


Figure 7c. Field pH

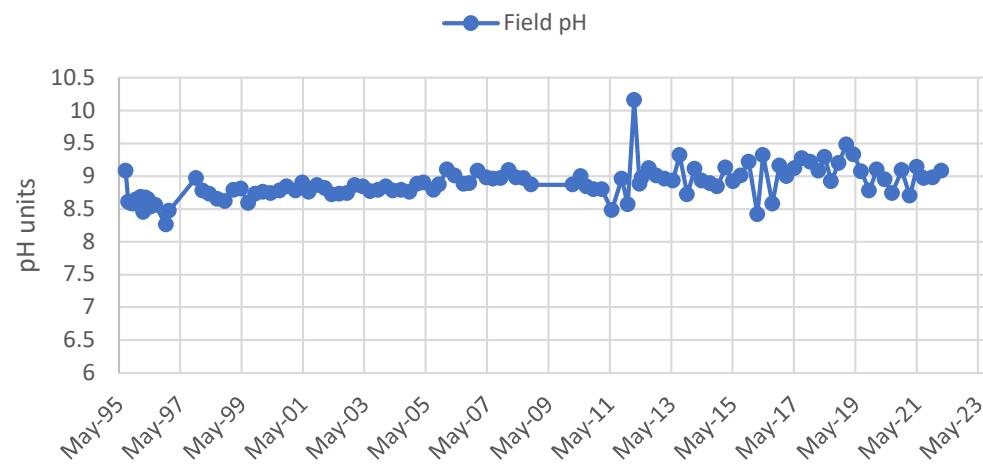
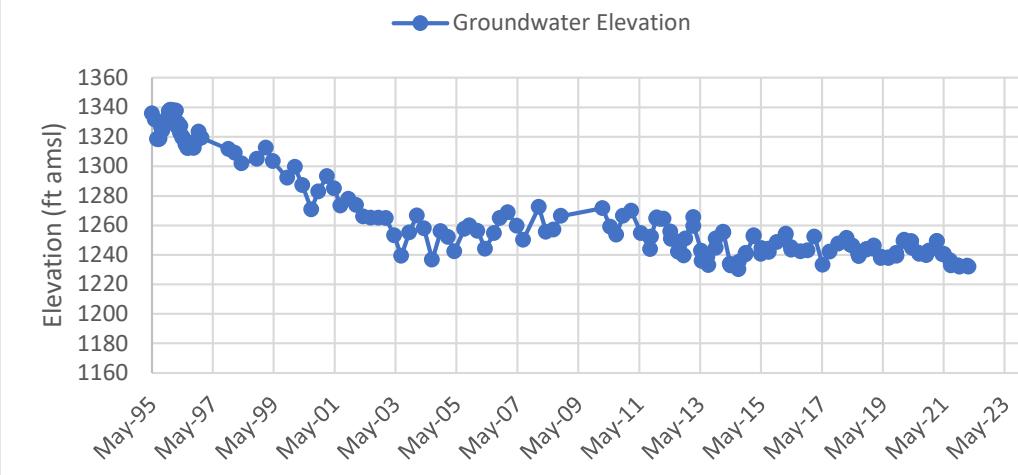


Figure 7d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M14-GL QUARTERLY CONCENTRATION GRAPHS

Figure 8a. Sulfate

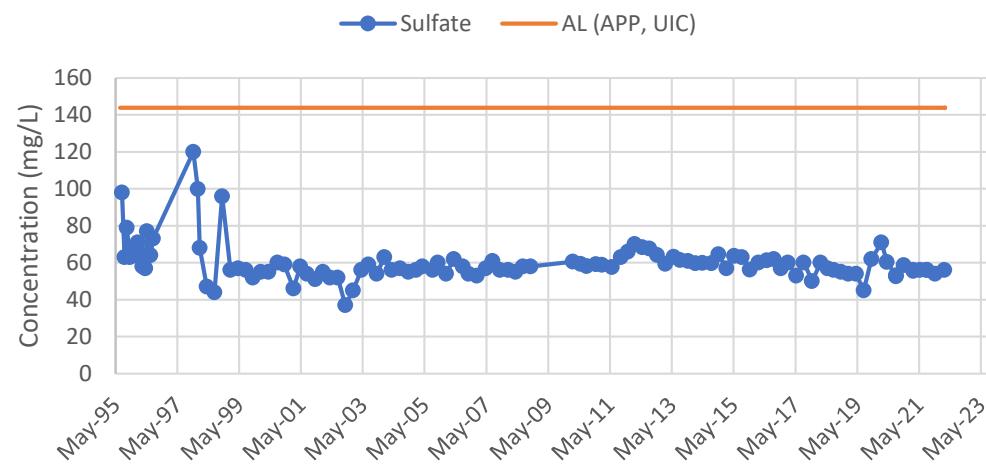


Figure 8b. Total Dissolved Solids

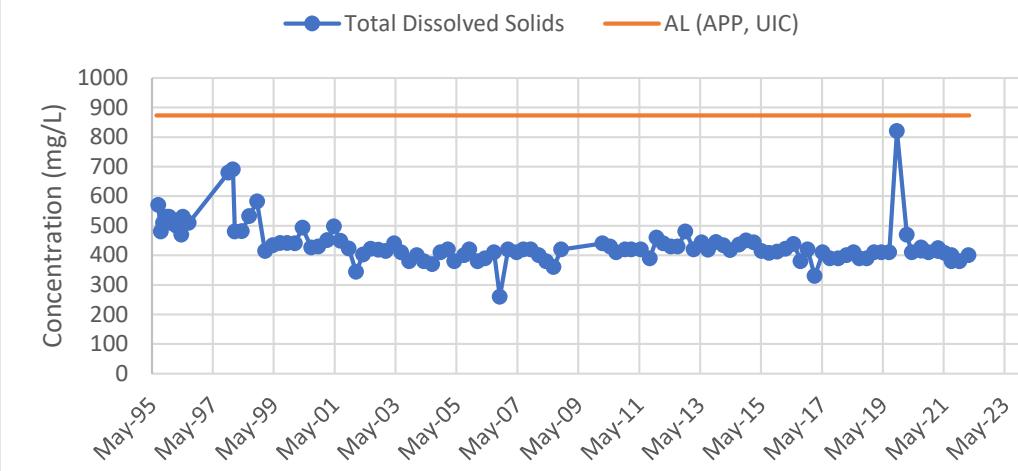


Figure 8c. Field pH

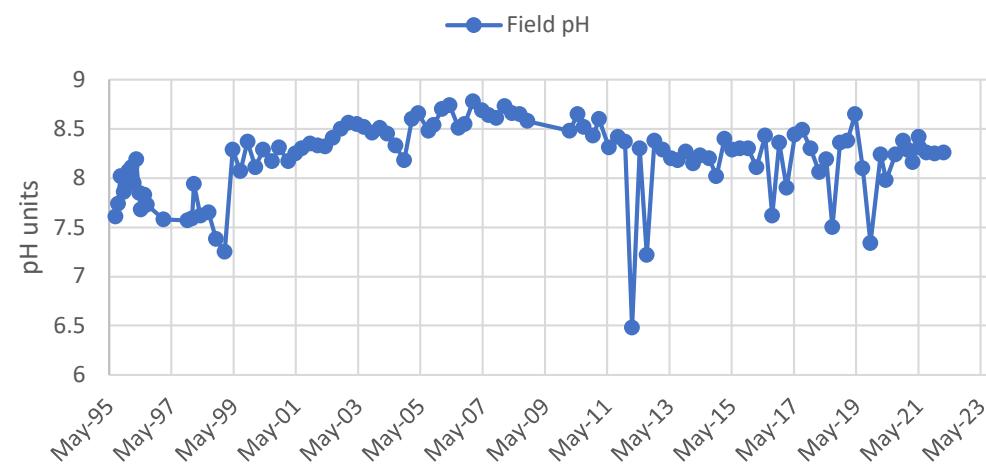
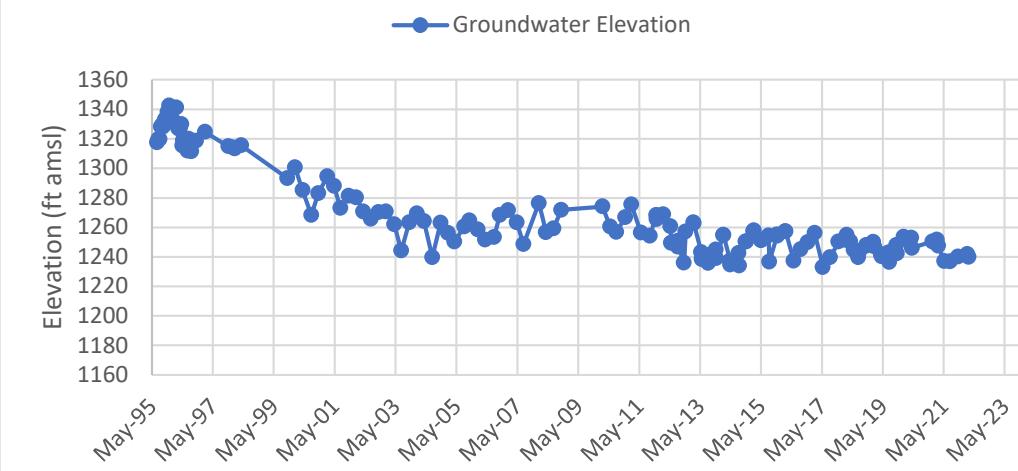


Figure 8d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M15-GU QUARTERLY CONCENTRATION GRAPHS

Figure 9a. Sulfate

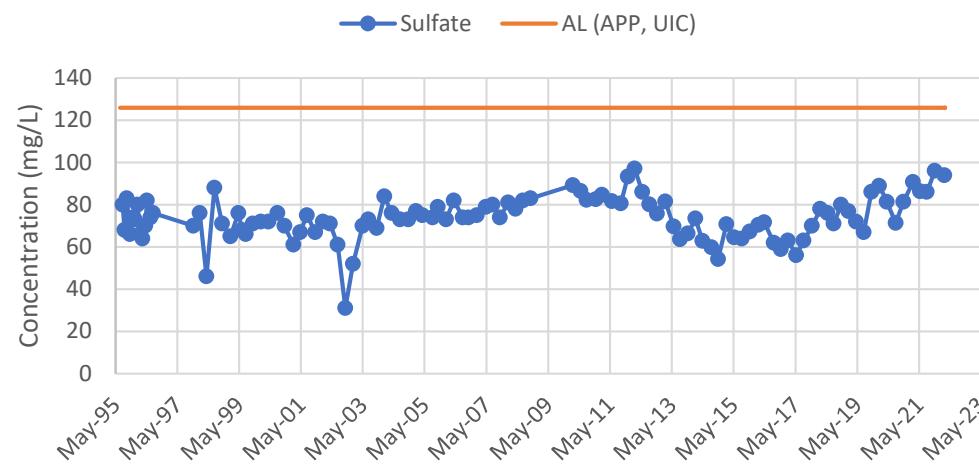


Figure 9b. Total Dissolved Solids

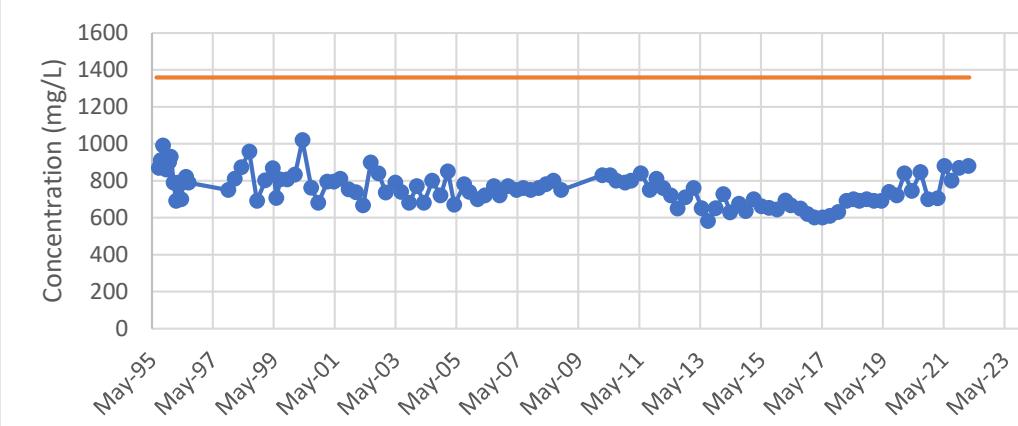


Figure 9c. Field pH

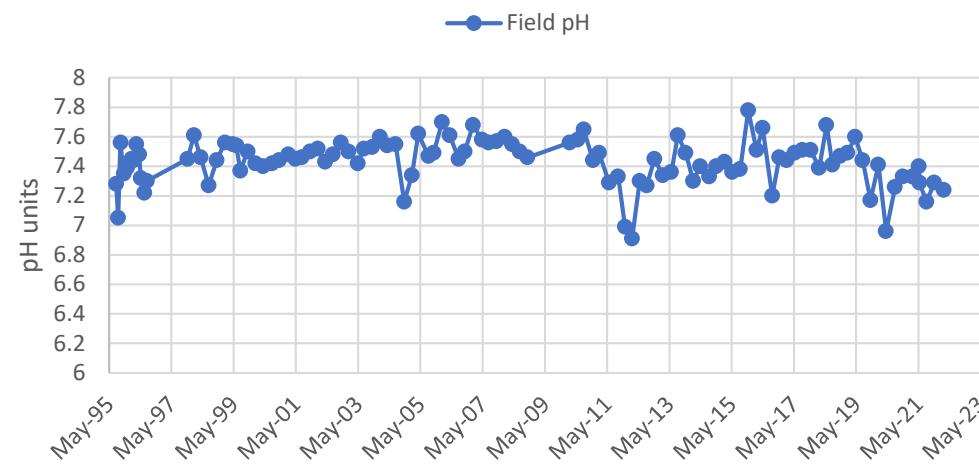
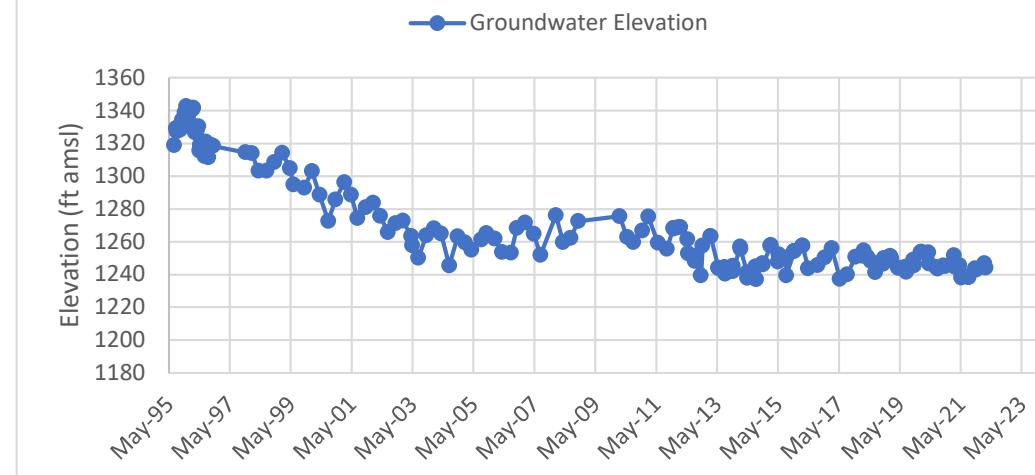


Figure 9d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M16-GU(R) QUARTERLY CONCENTRATION GRAPHS

Figure 10a. Sulfate

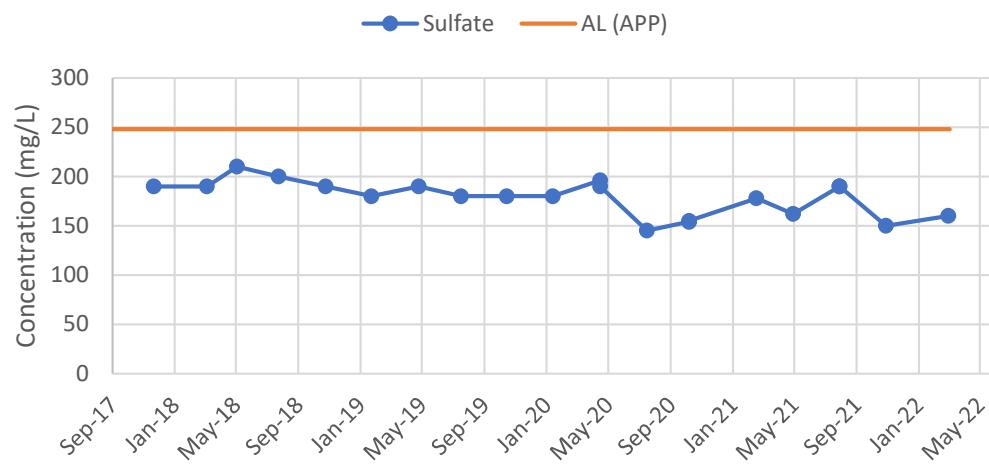


Figure 10b. Total Dissolved Solids

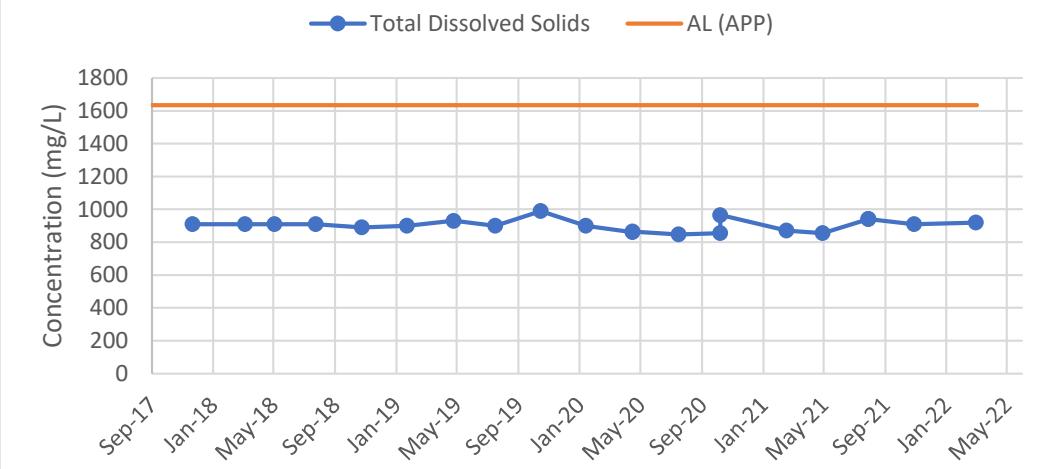


Figure 10c. Field pH

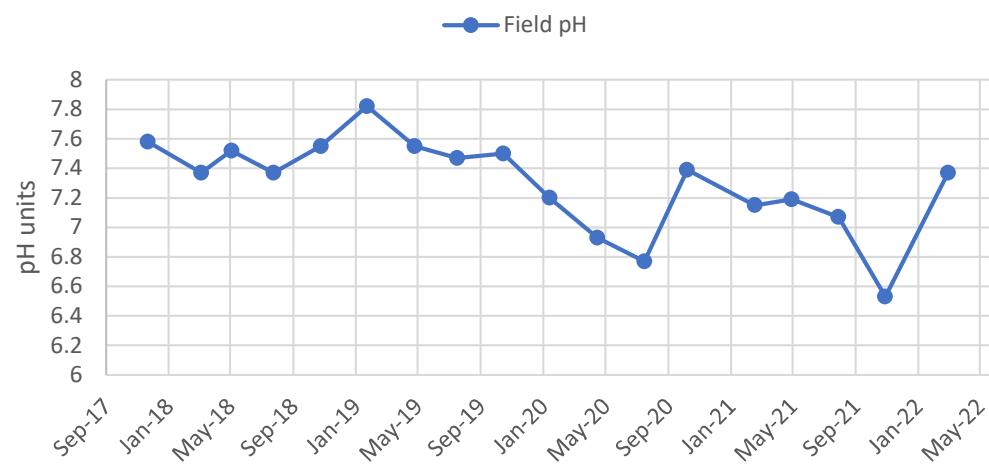
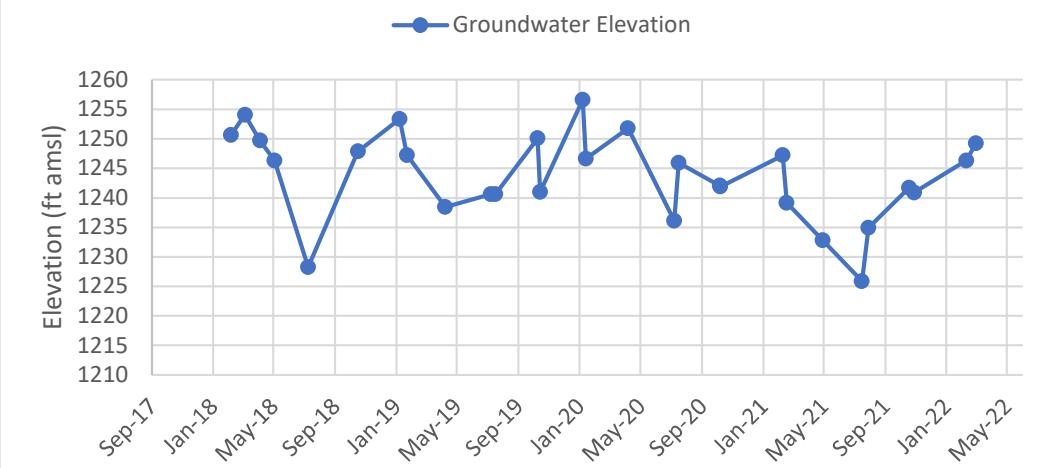


Figure 10d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M17-GL QUARTERLY CONCENTRATION GRAPHS

Figure 11a. Sulfate

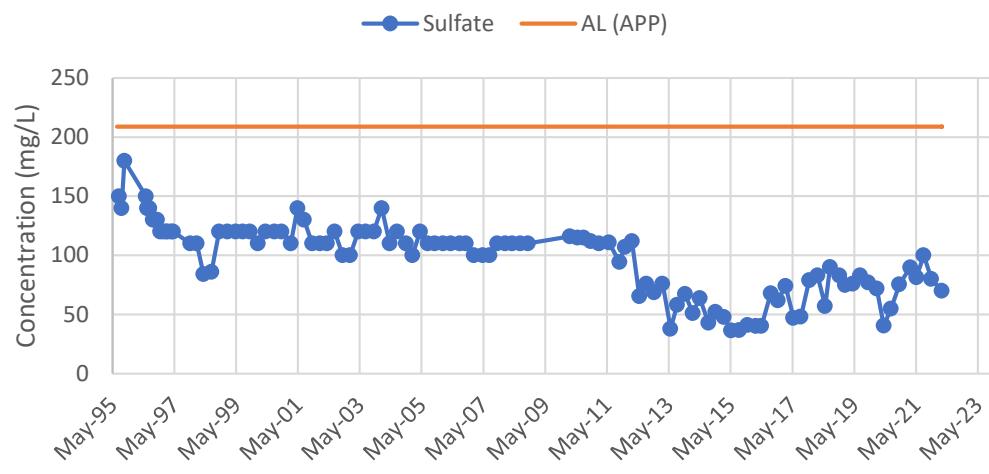


Figure 11b. Total Dissolved Solids

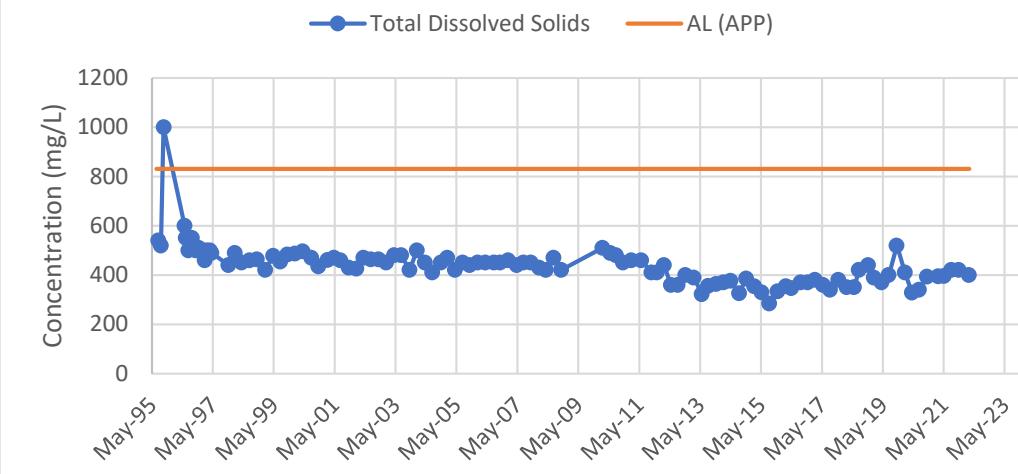


Figure 11c. Field pH

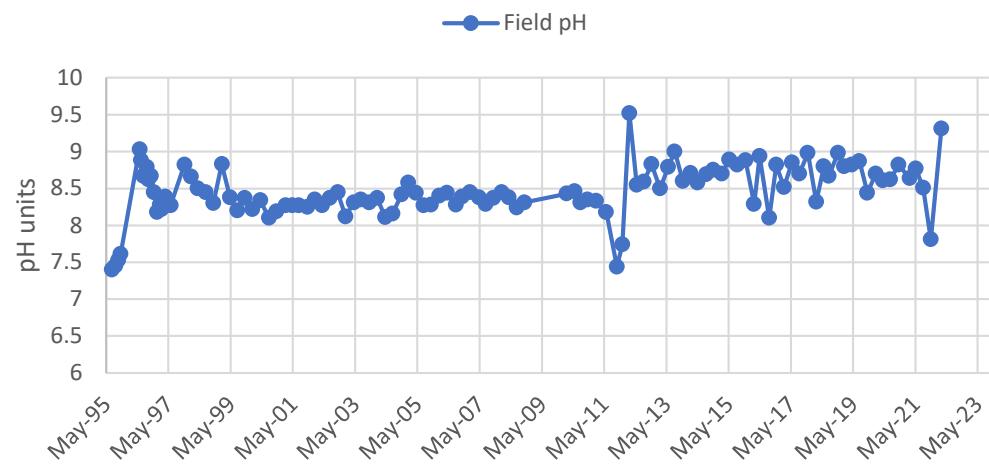
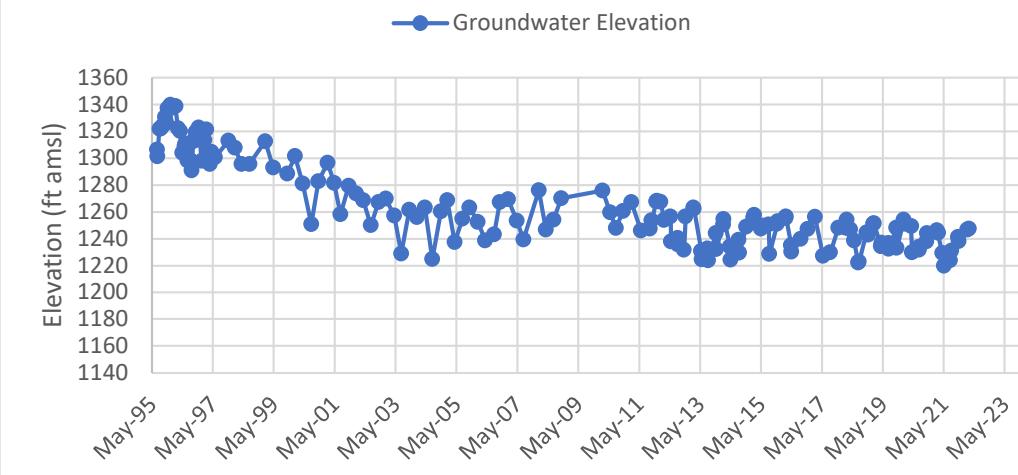


Figure 11d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M18-GU QUARTERLY CONCENTRATION GRAPHS

Figure 12a. Sulfate

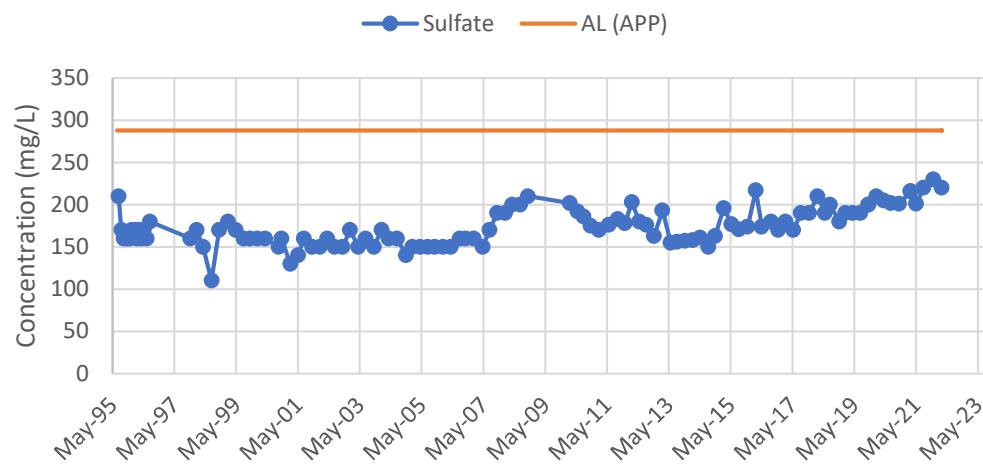


Figure 12b. Total Dissolved Solids

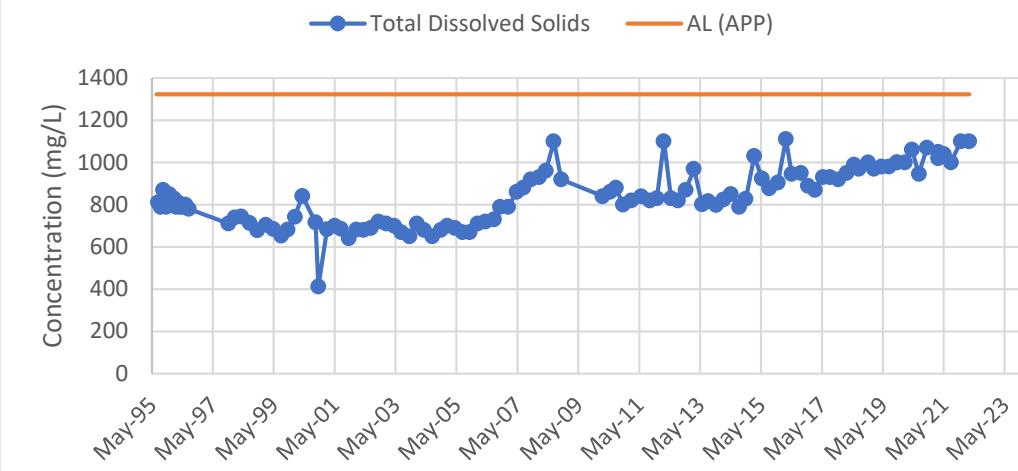


Figure 12c. Field pH

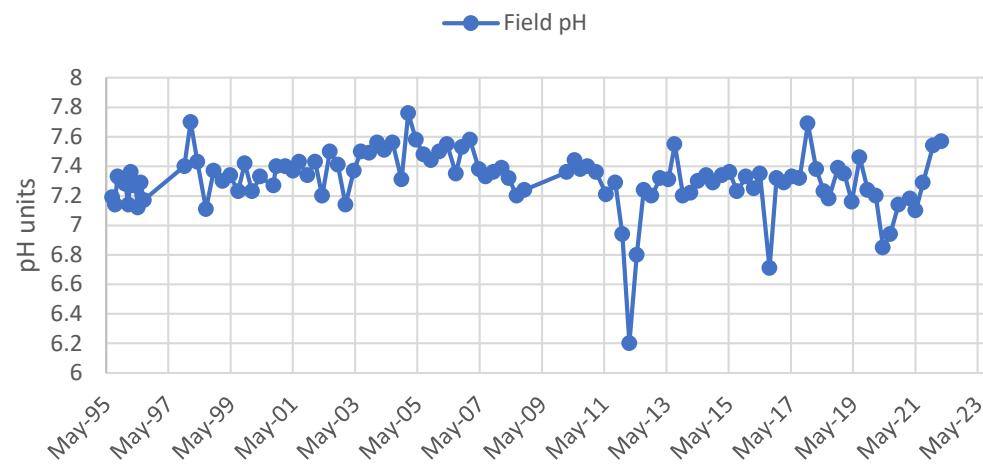
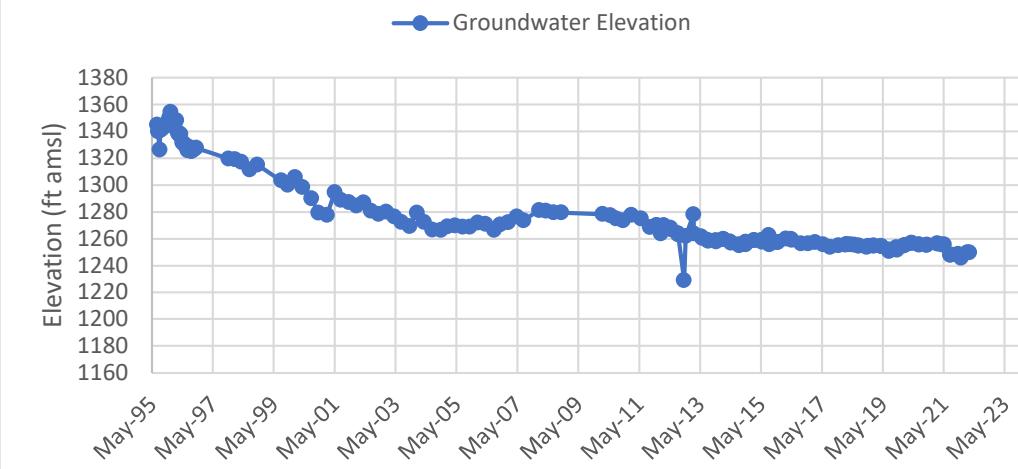


Figure 12d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M19-LBF QUARTERLY CONCENTRATION GRAPHS

Figure 13a. Sulfate

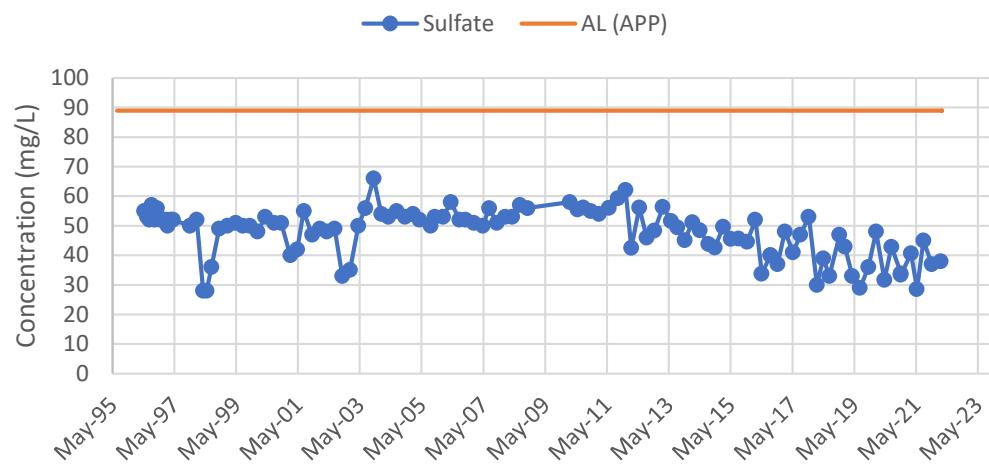


Figure 13b. Total Dissolved Solids

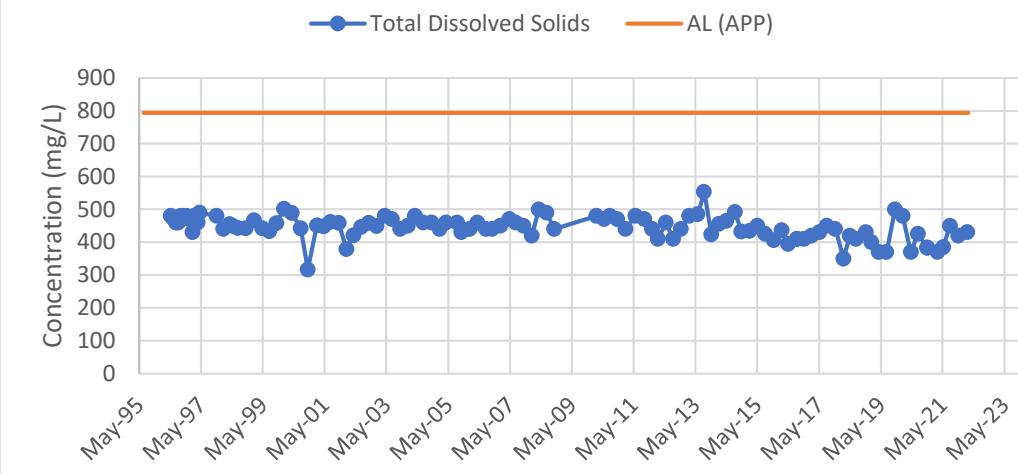


Figure 13c. Field pH

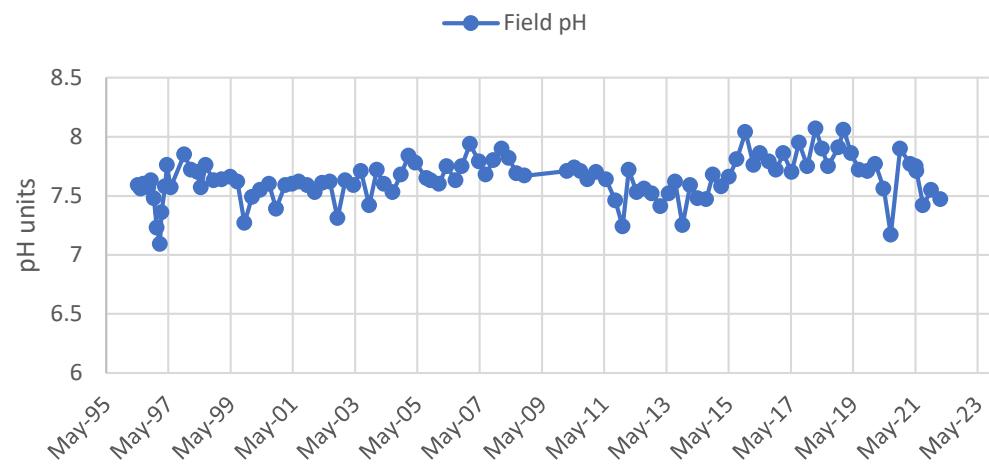
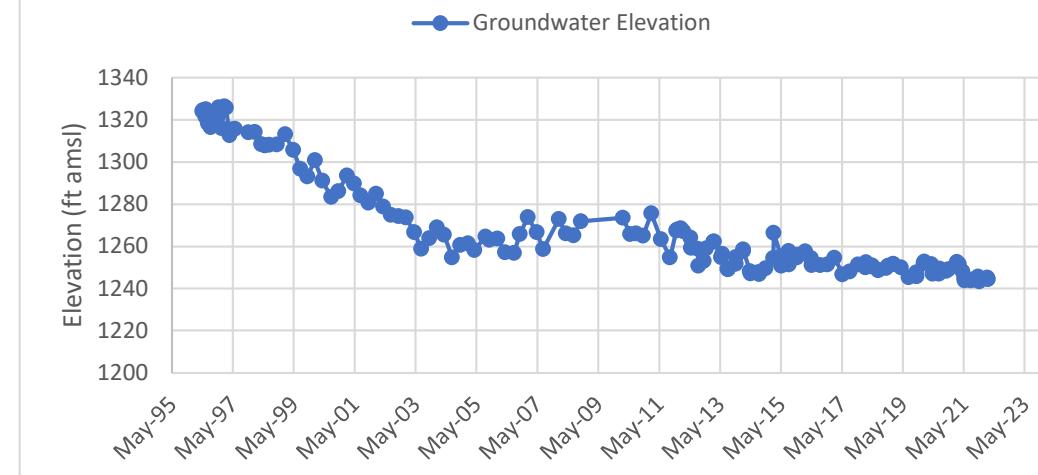


Figure 13d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M20-O(R) QUARTERLY CONCENTRATION GRAPHS

Figure 14a. Sulfate

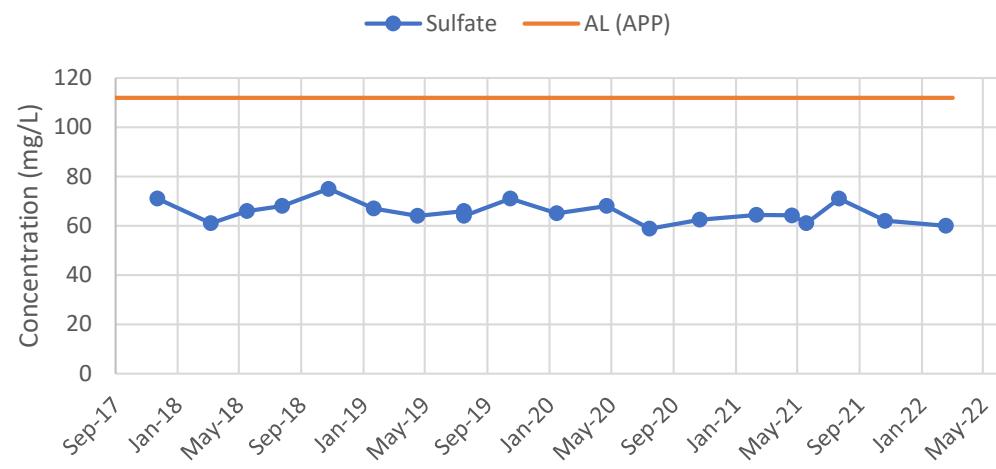


Figure 14b. Total Dissolved Solids

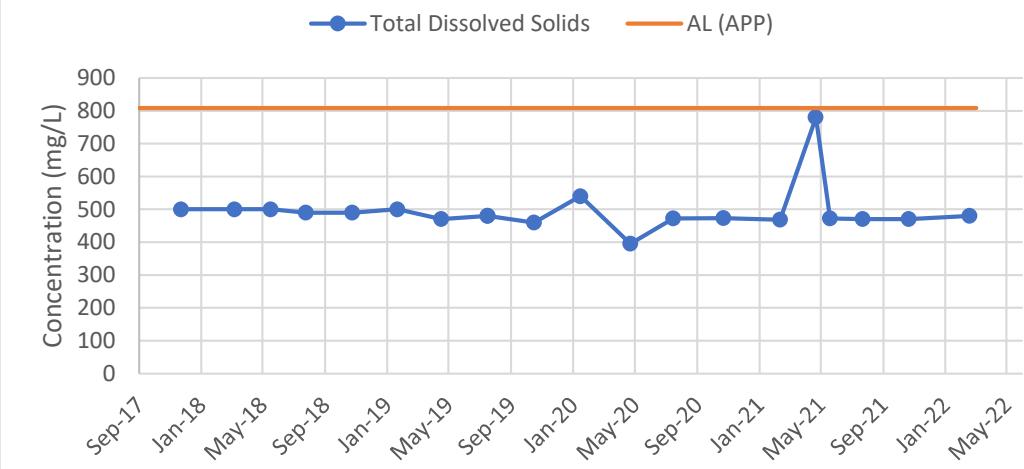


Figure 14c. Field pH

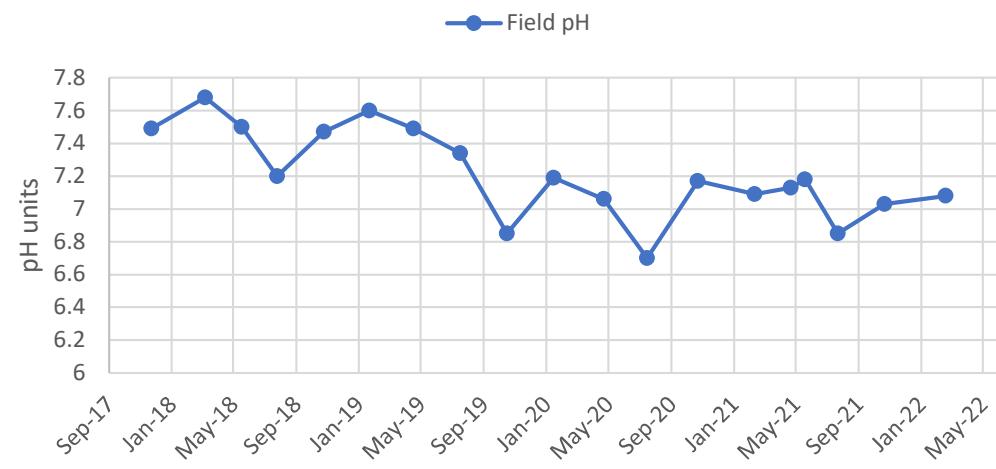
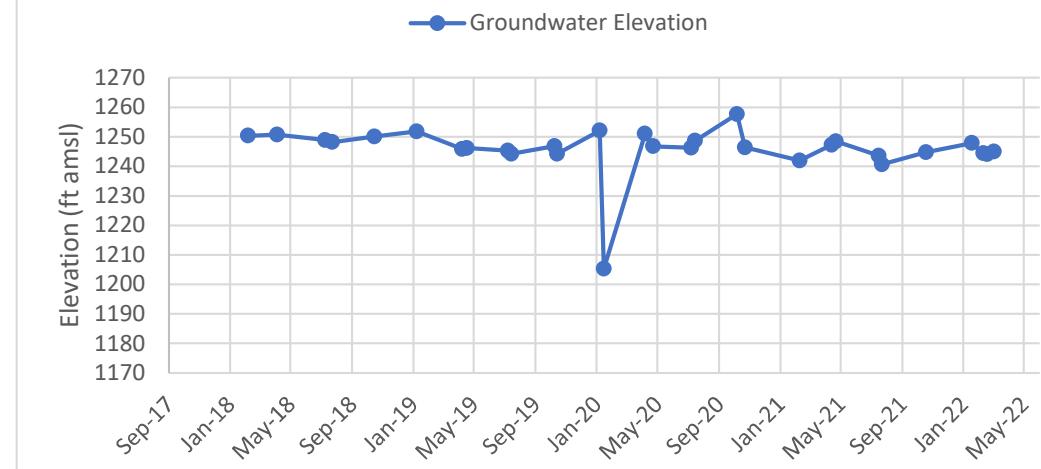


Figure 14d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M21-UBF QUARTERLY CONCENTRATION GRAPHS

Figure 15a. Sulfate

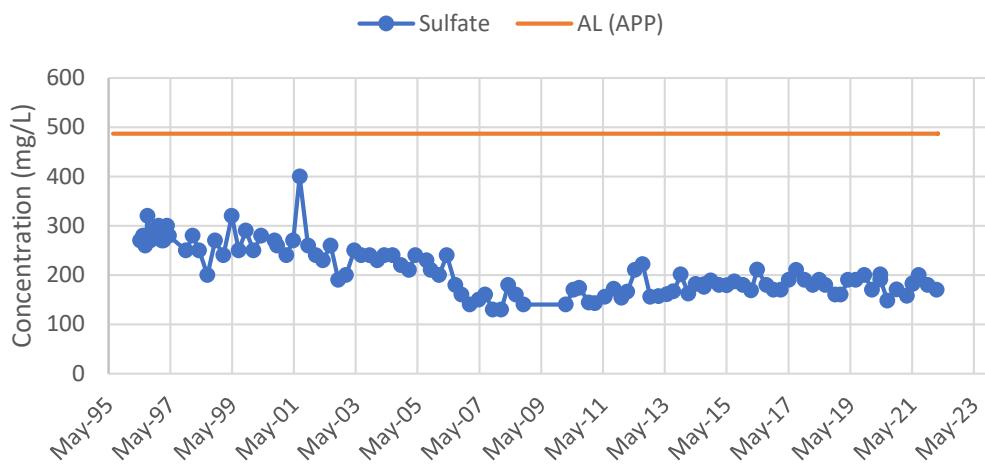


Figure 15b. Total Dissolved Solids

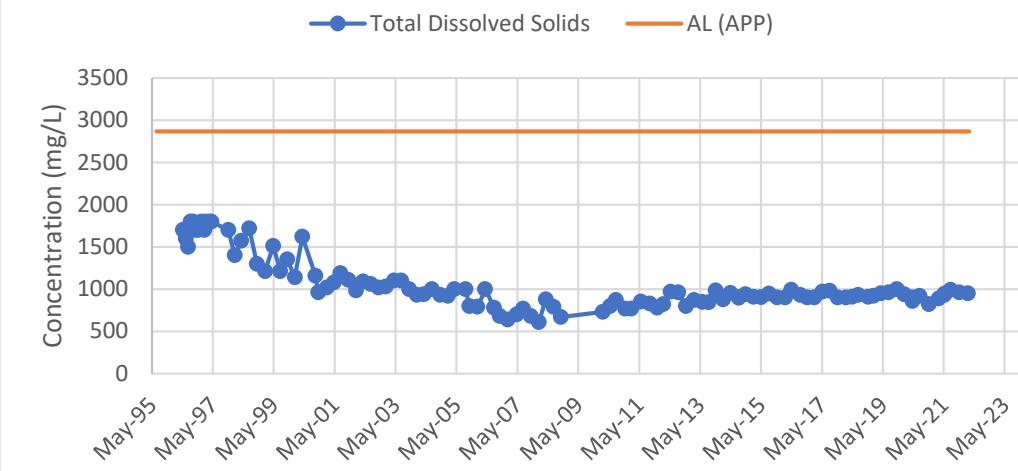


Figure 15c. Field pH

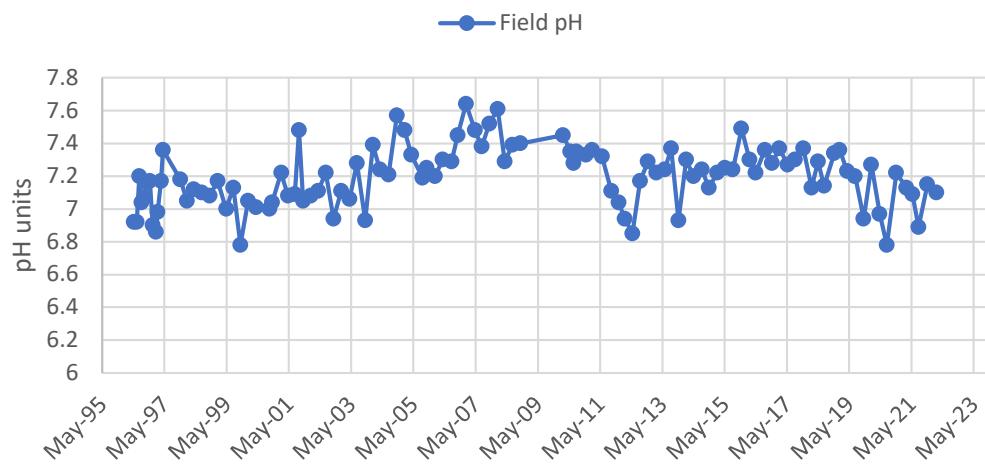
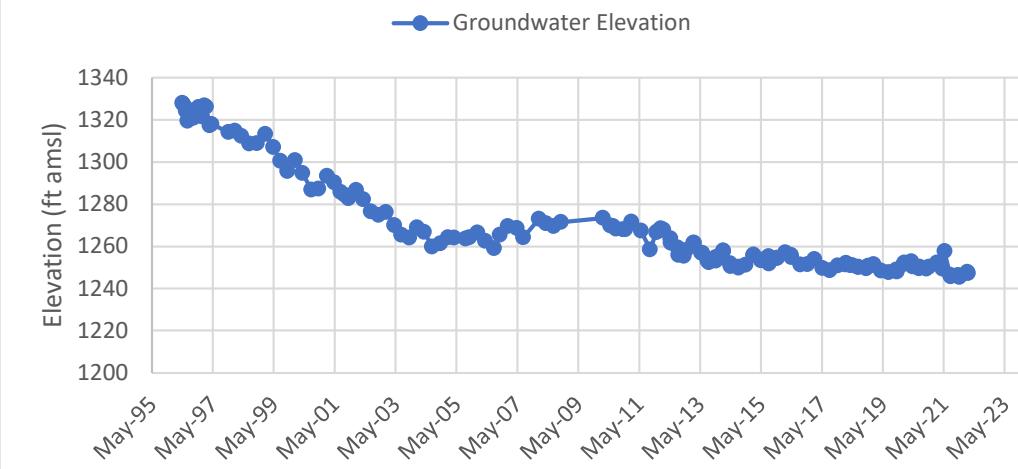


Figure 15d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M22-O QUARTERLY CONCENTRATION GRAPHS

Figure 16a. Sulfate

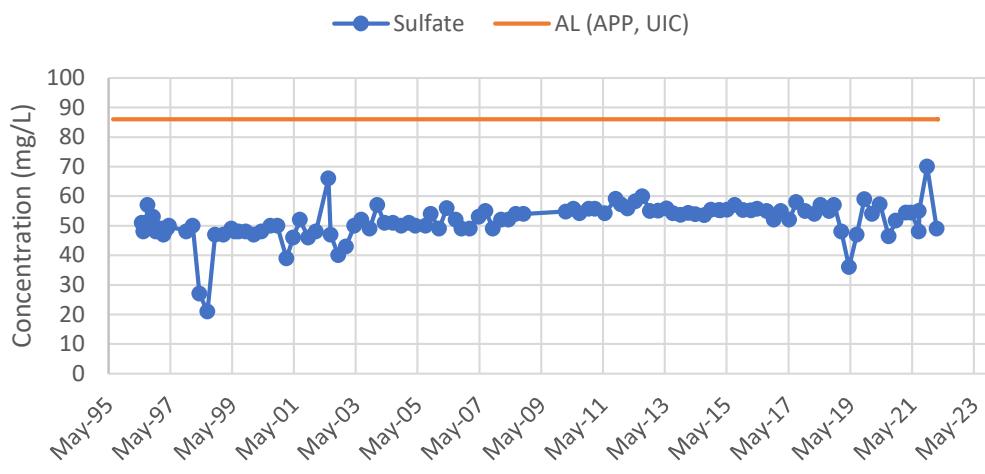


Figure 16b. Total Dissolved Solids

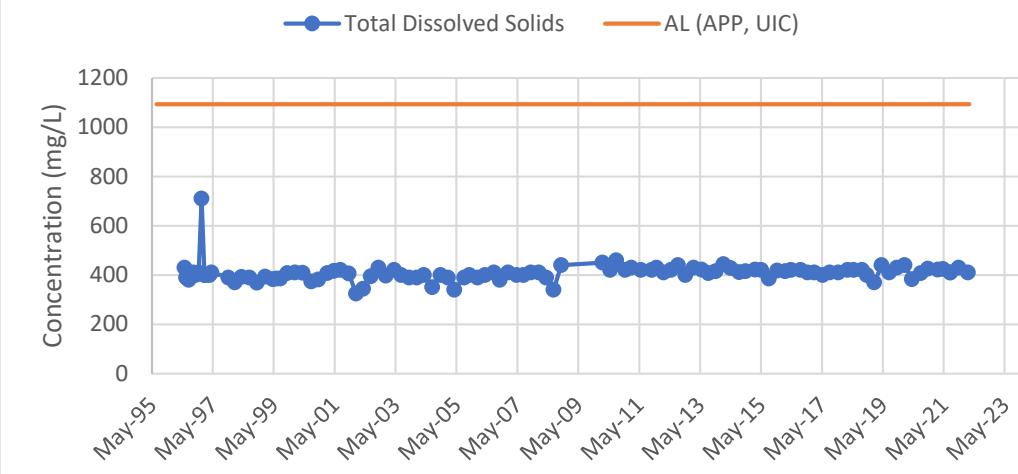


Figure 16c. Field pH

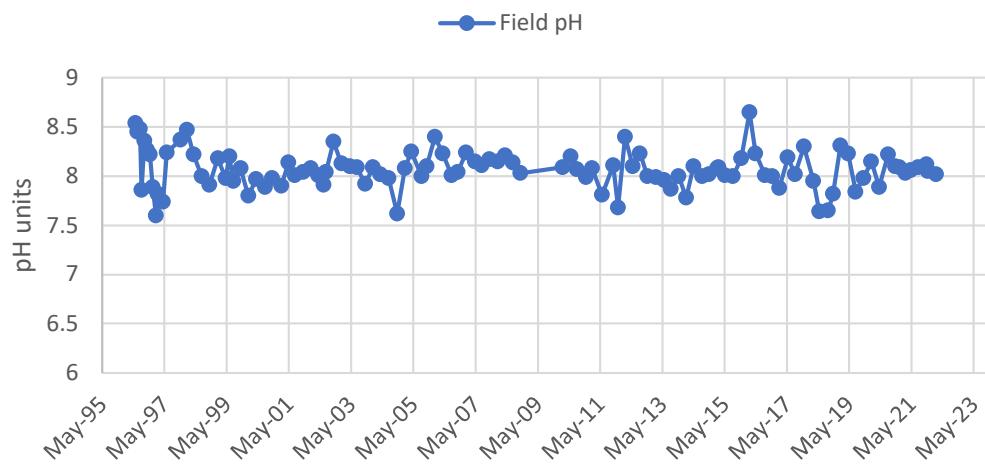
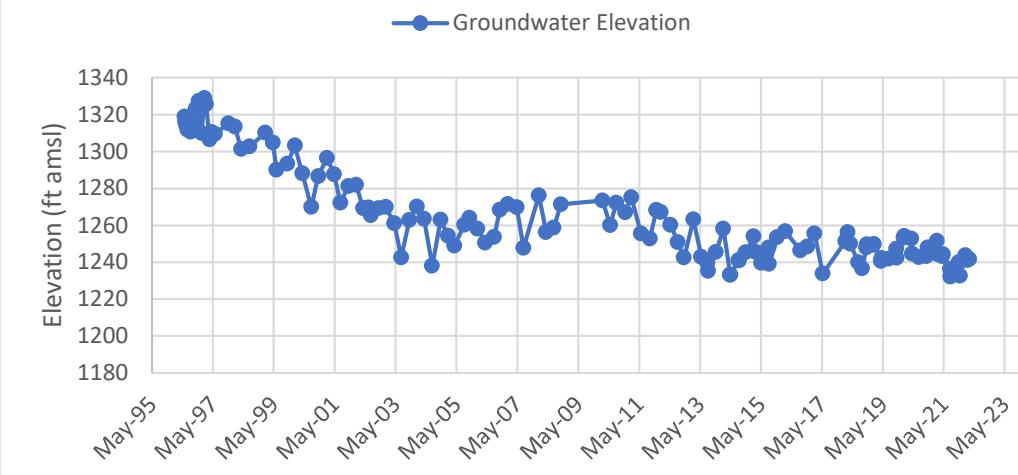


Figure 16d. Groundwater Elevation



Notes:

Historical outliers removed from graphs for visual representation, but are maintained in the dataset.

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M23-UBF QUARTERLY CONCENTRATION GRAPHS

Figure 17a. Sulfate

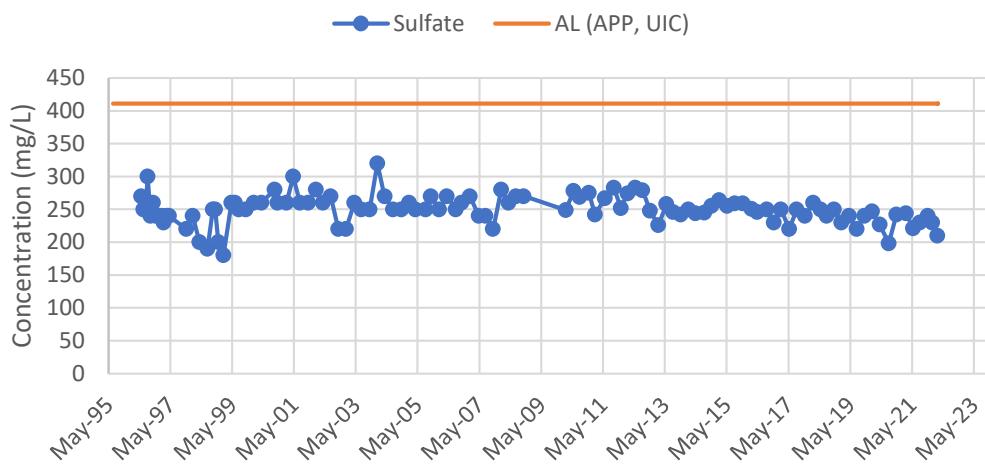


Figure 17b. Total Dissolved Solids

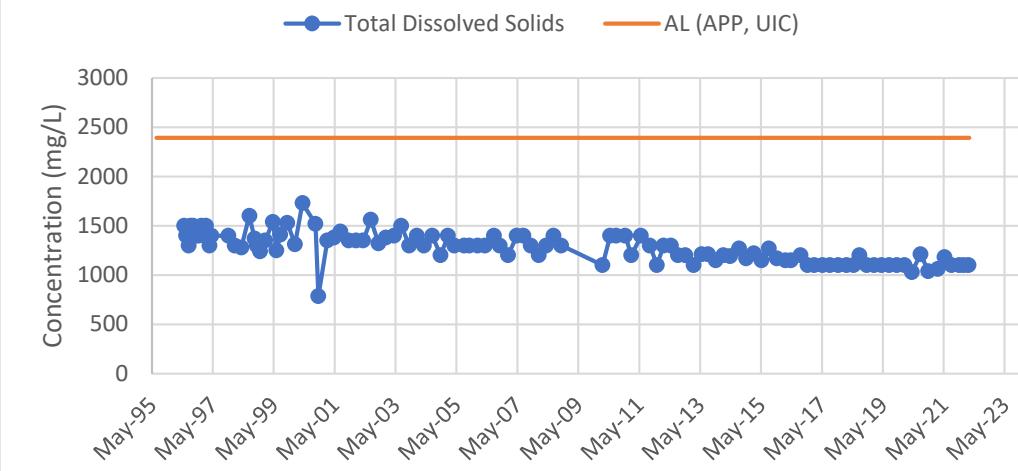


Figure 17c. Field pH

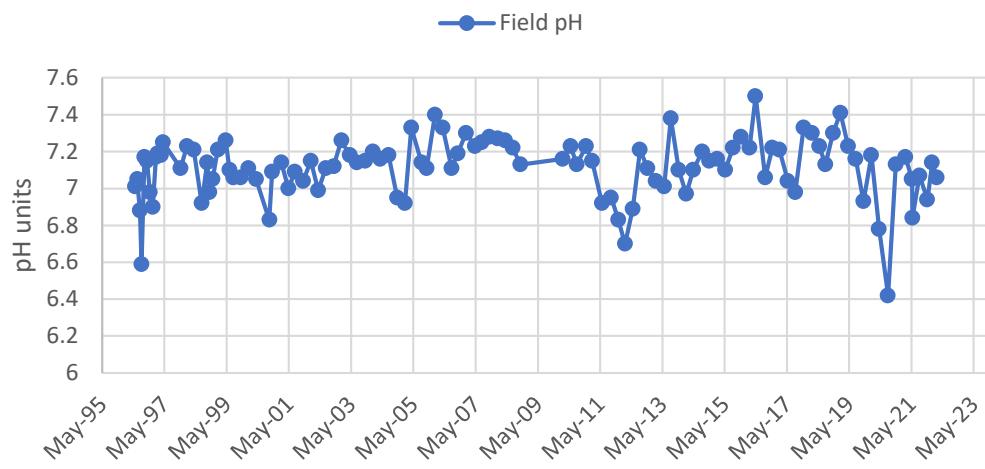
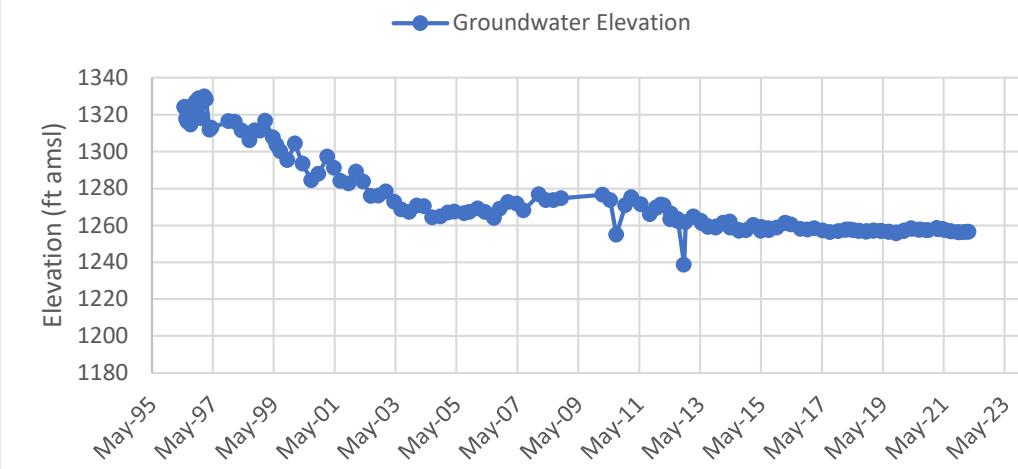


Figure 17d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M24-O QUARTERLY CONCENTRATION GRAPHS

Figure 18a. Sulfate

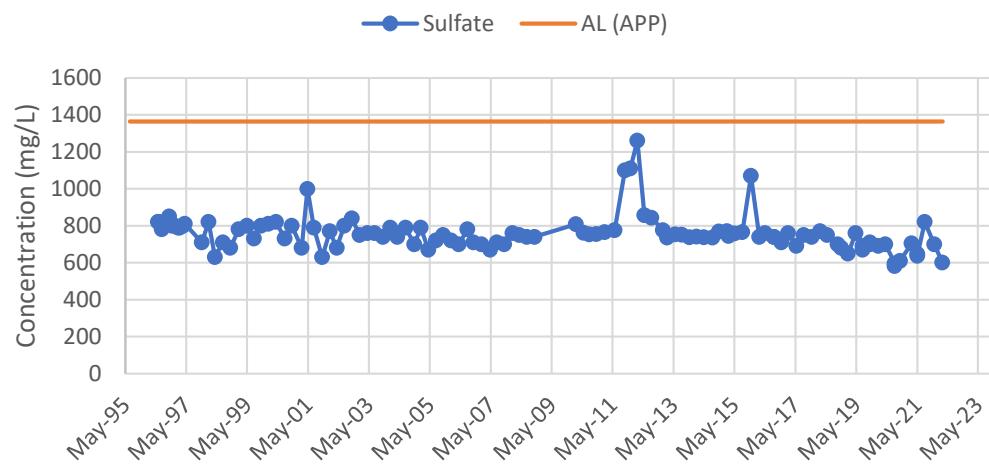


Figure 18b. Total Dissolved Solids

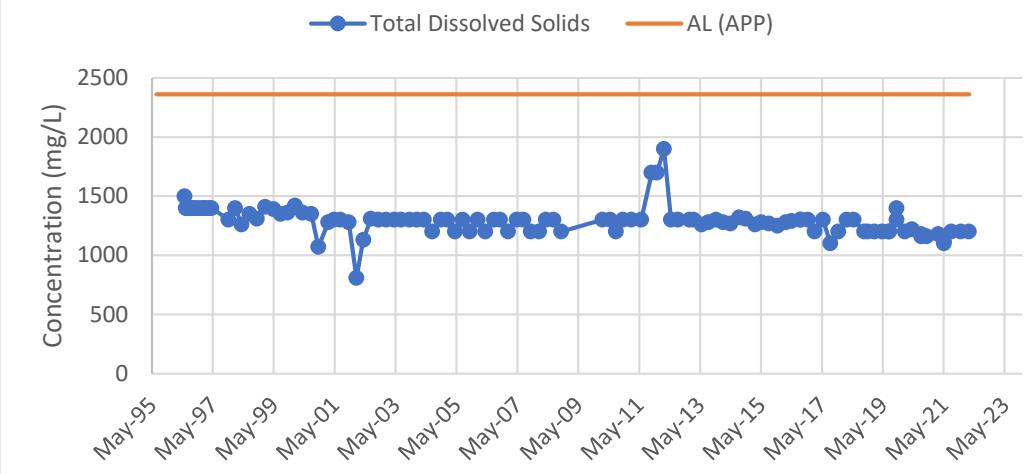


Figure 18c. Field pH

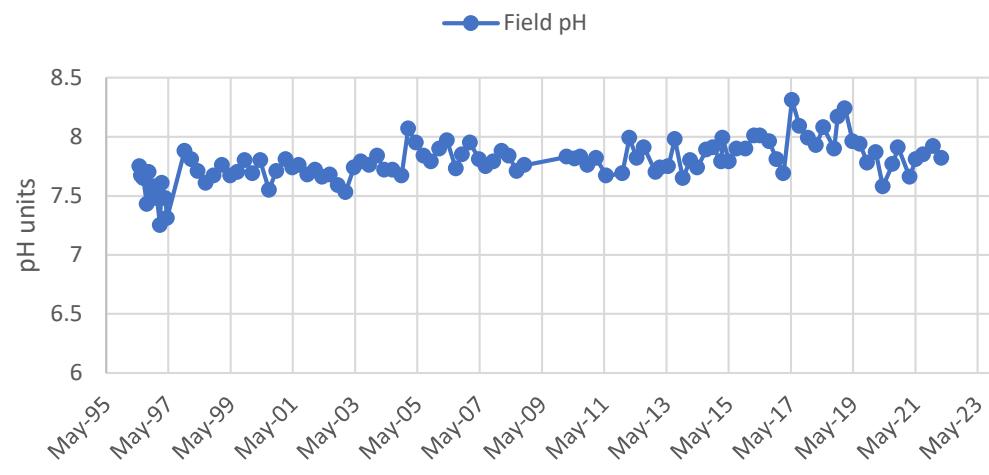
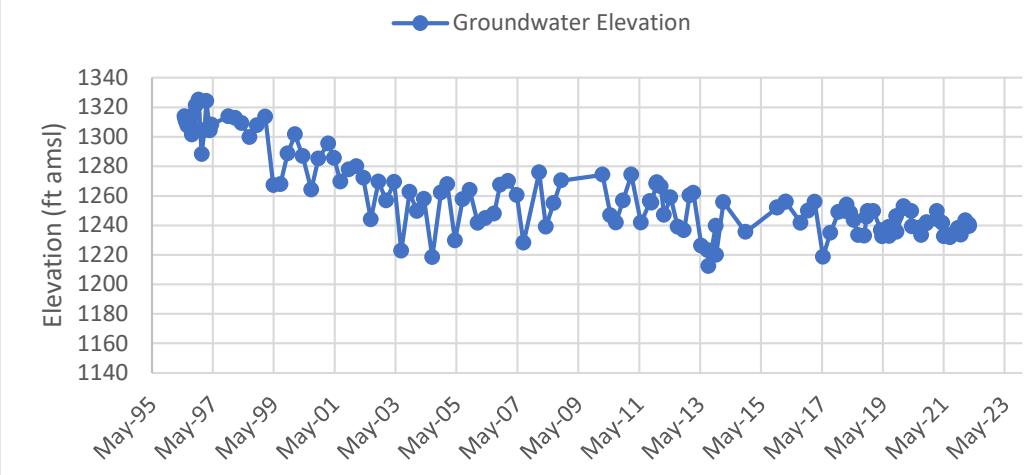


Figure 18d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M25-UBF QUARTERLY CONCENTRATION GRAPHS

Figure 19a. Sulfate

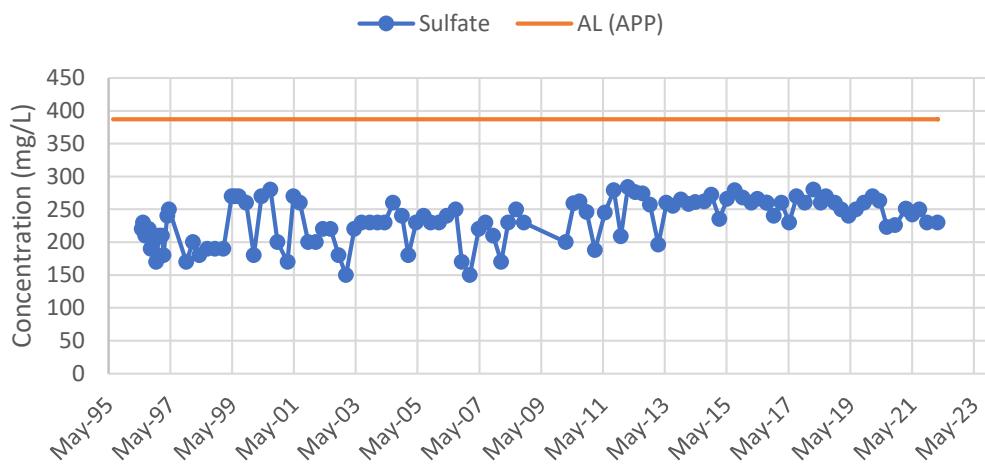


Figure 19b. Total Dissolved Solids

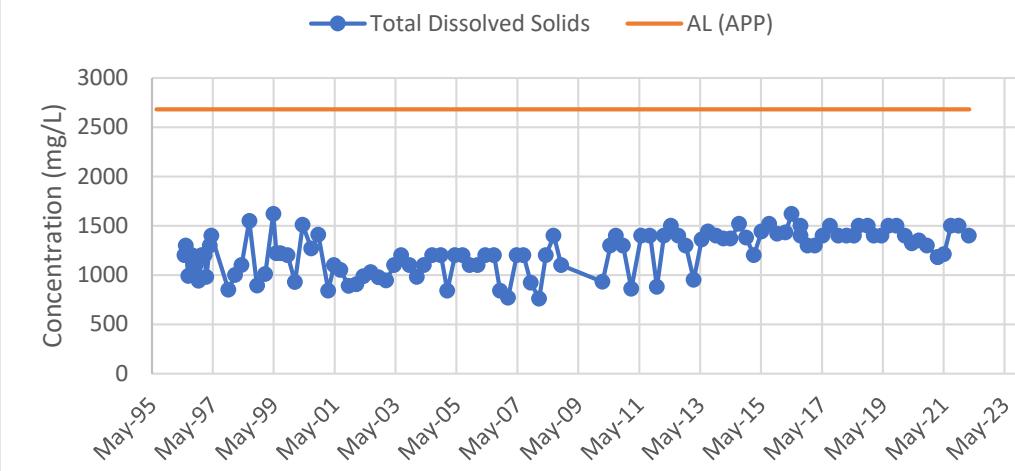


Figure 19c. Field pH

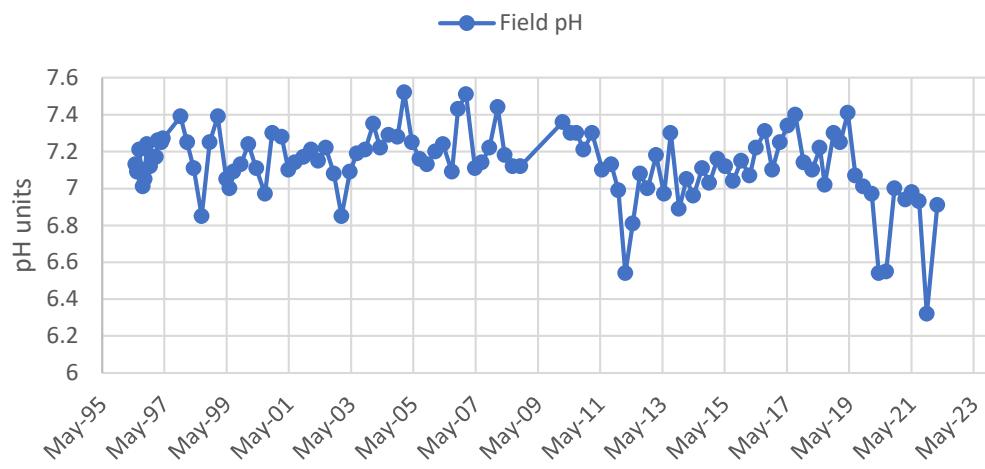
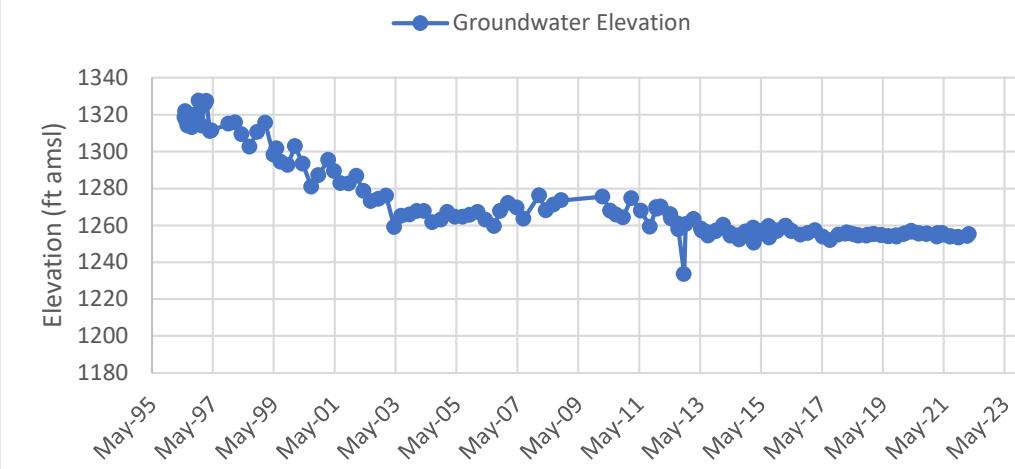


Figure 19d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M26-O QUARTERLY CONCENTRATION GRAPHS

Figure 20a. Sulfate

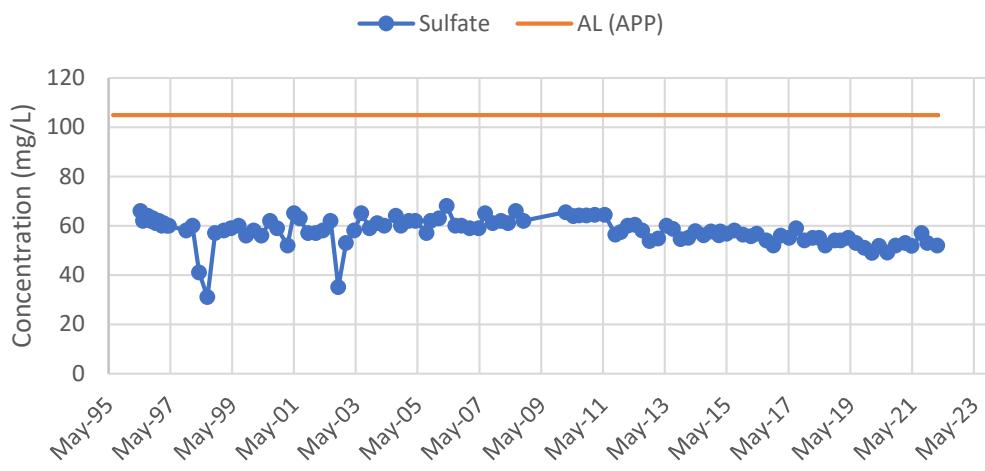


Figure 20b. Total Dissolved Solids

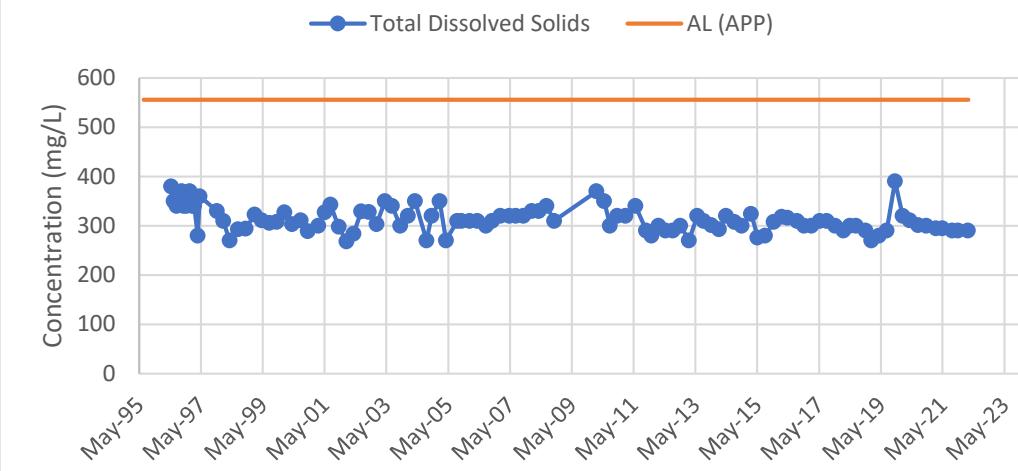


Figure 20c. Field pH

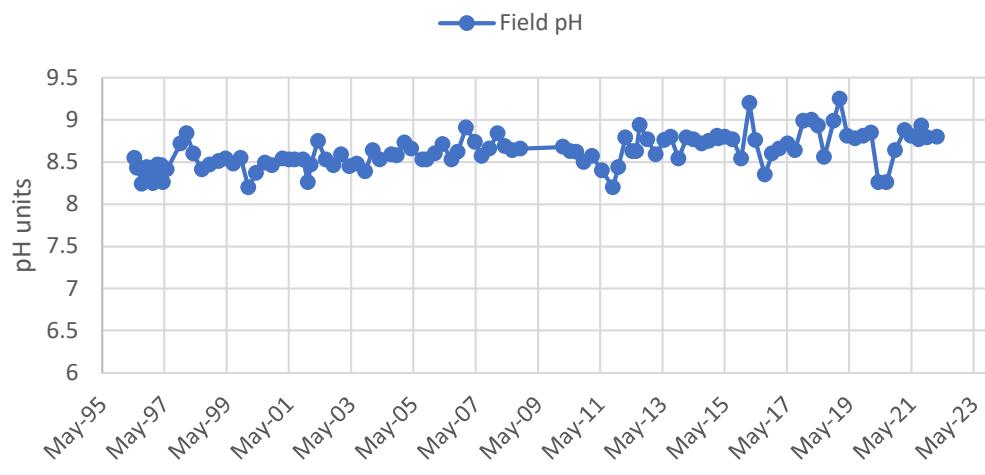
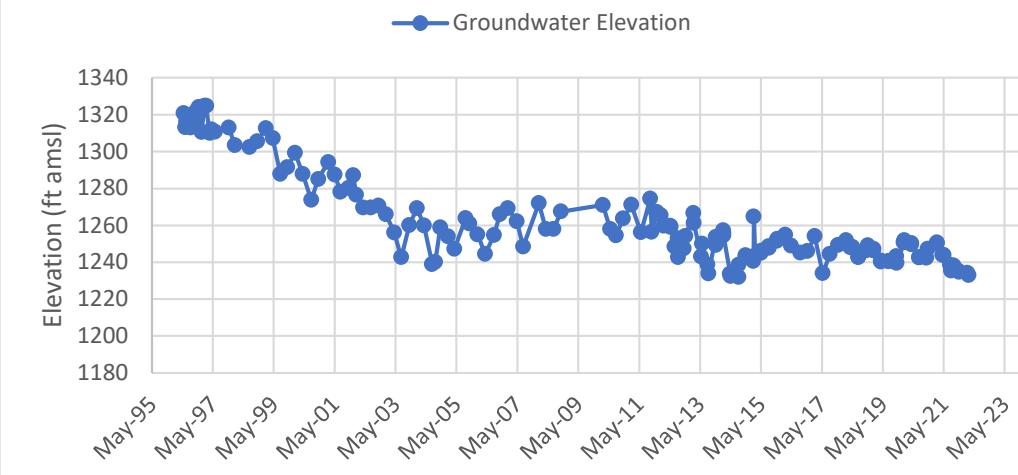


Figure 20d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M27-LBF QUARTERLY CONCENTRATION GRAPHS

Figure 21a. Sulfate

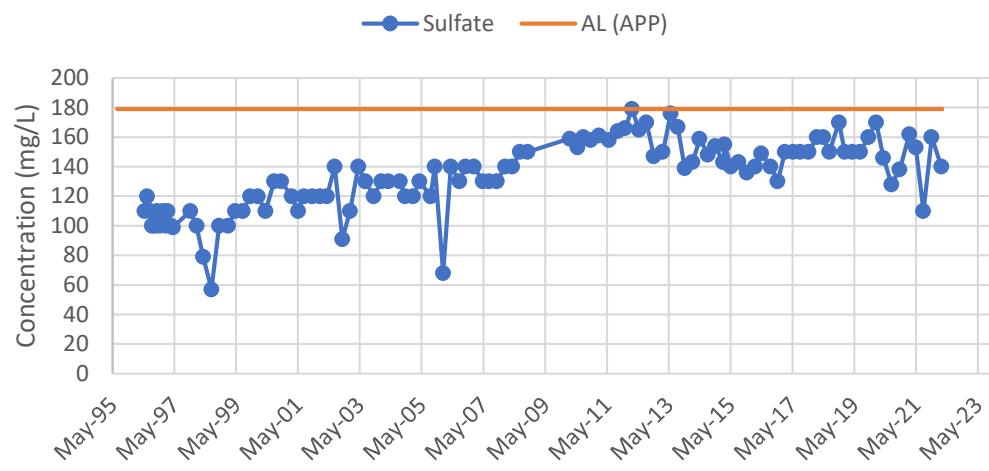


Figure 21b. Total Dissolved Solids

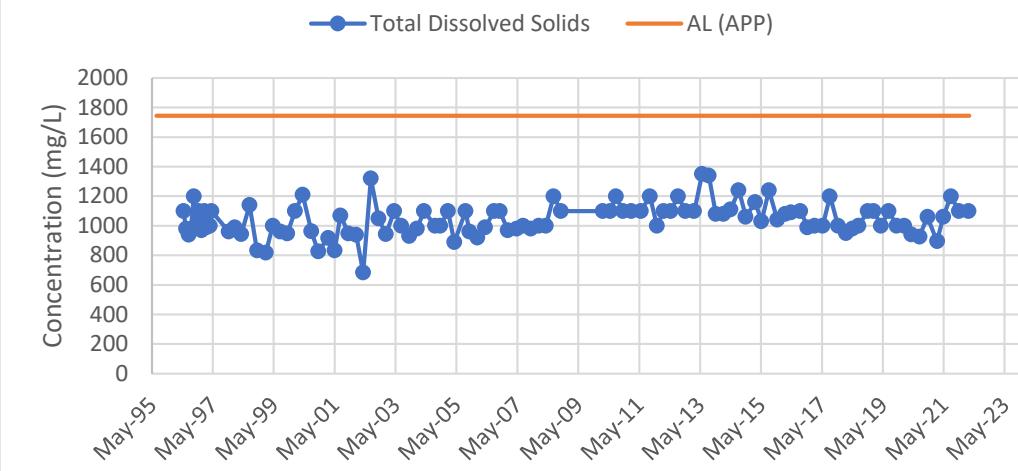


Figure 21c. Field pH

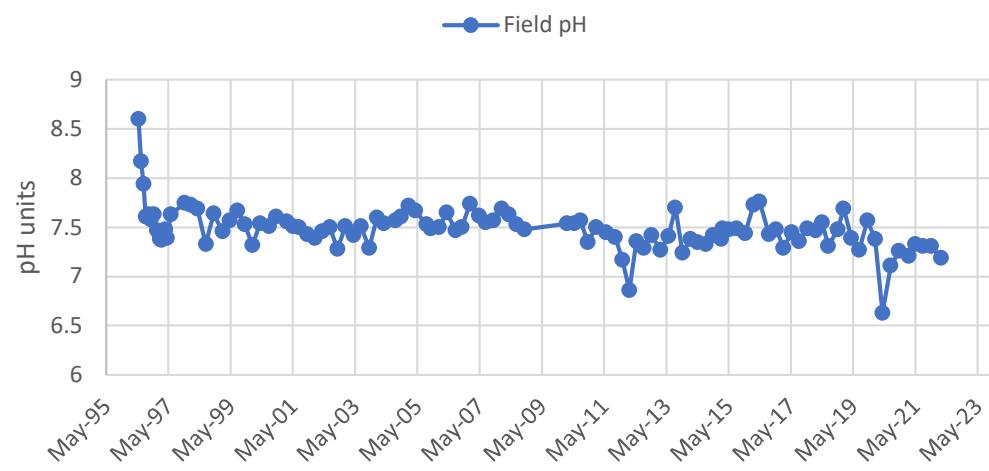
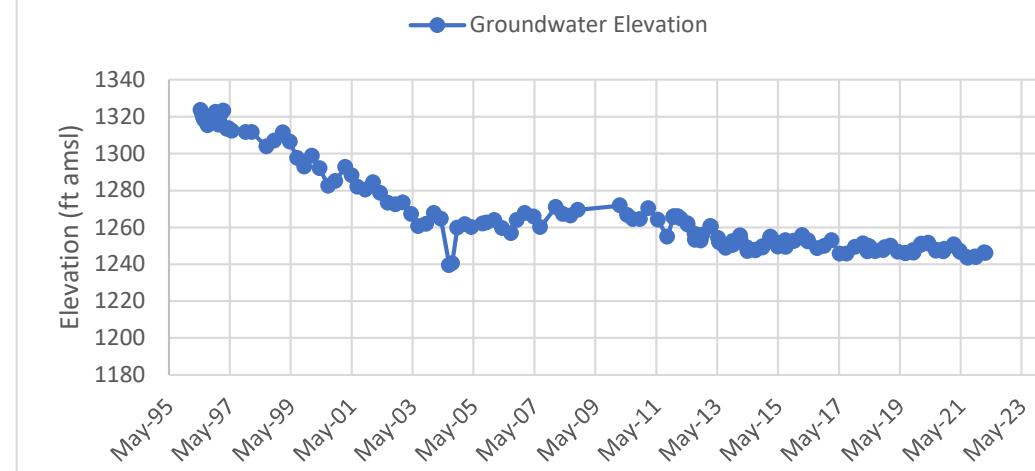


Figure 21d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M28-LBF QUARTERLY CONCENTRATION GRAPHS

Figure 22a. Sulfate

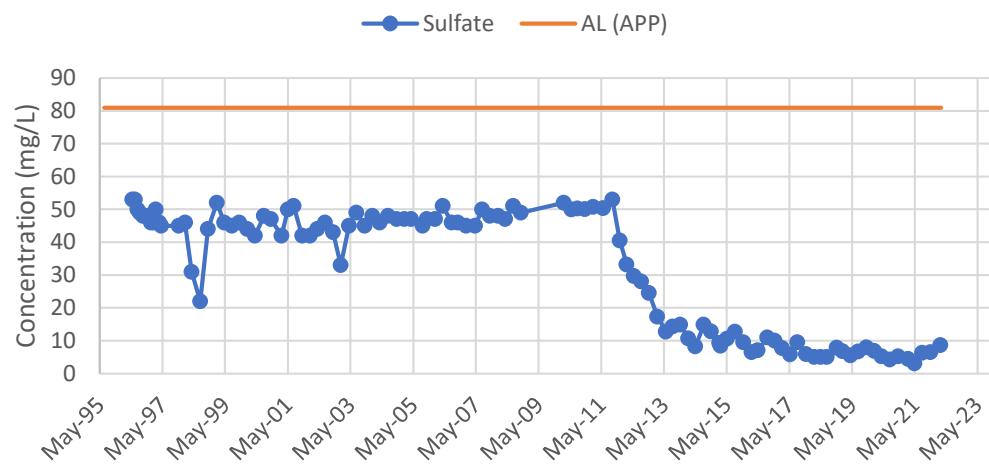


Figure 22b. Total Dissolved Solids

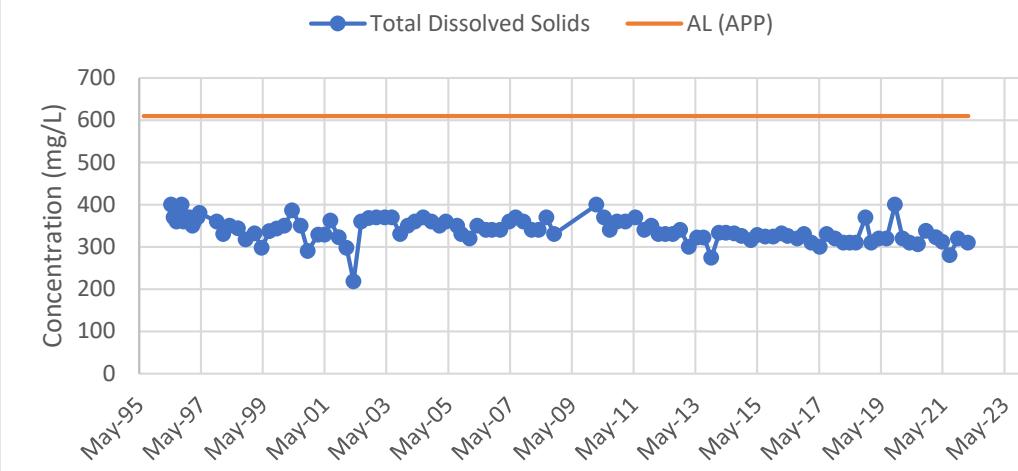


Figure 22c. Field pH

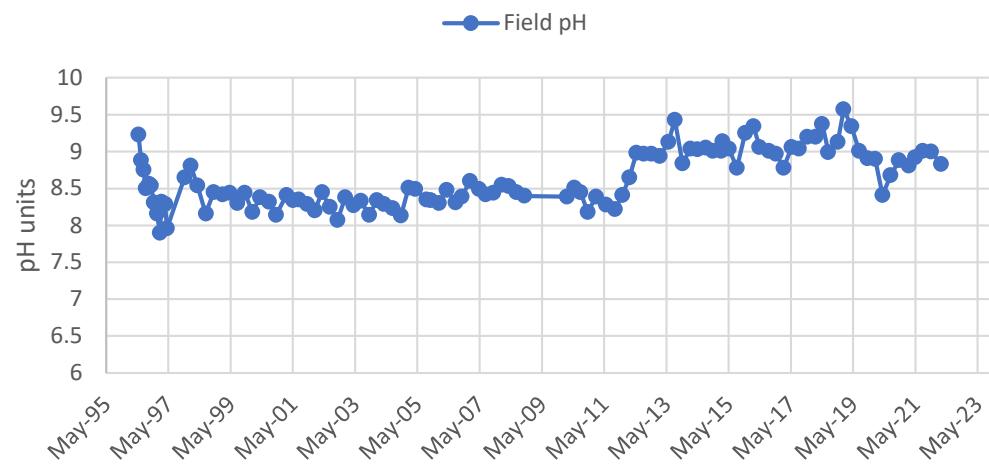
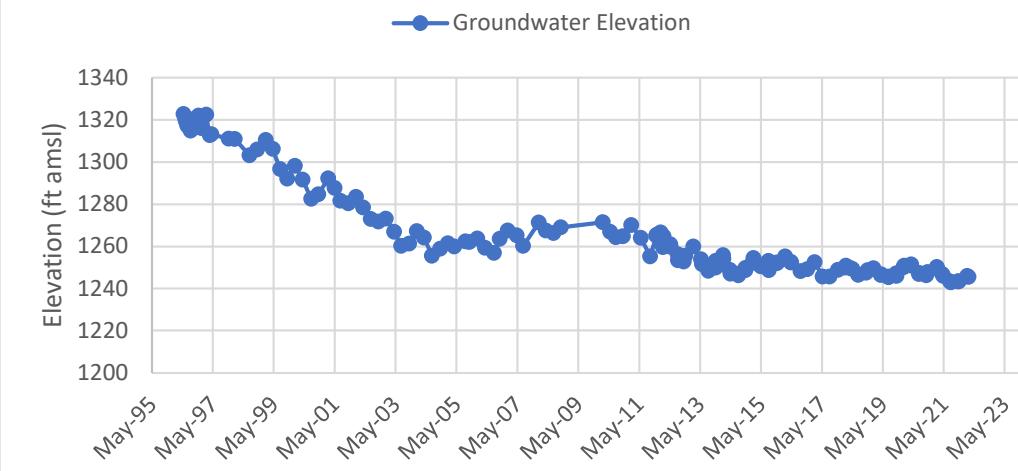


Figure 22d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M29-UBF QUARTERLY CONCENTRATION GRAPHS

Figure 23a. Sulfate

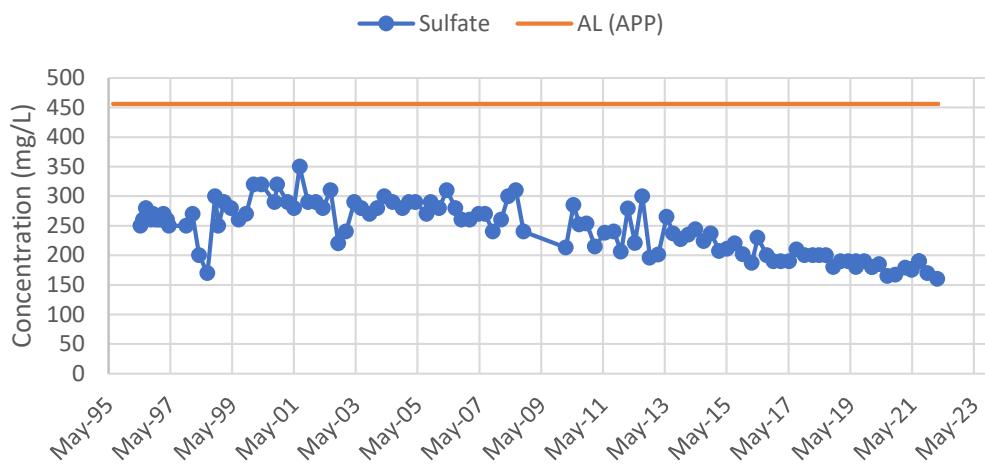


Figure 23b. Total Dissolved Solids

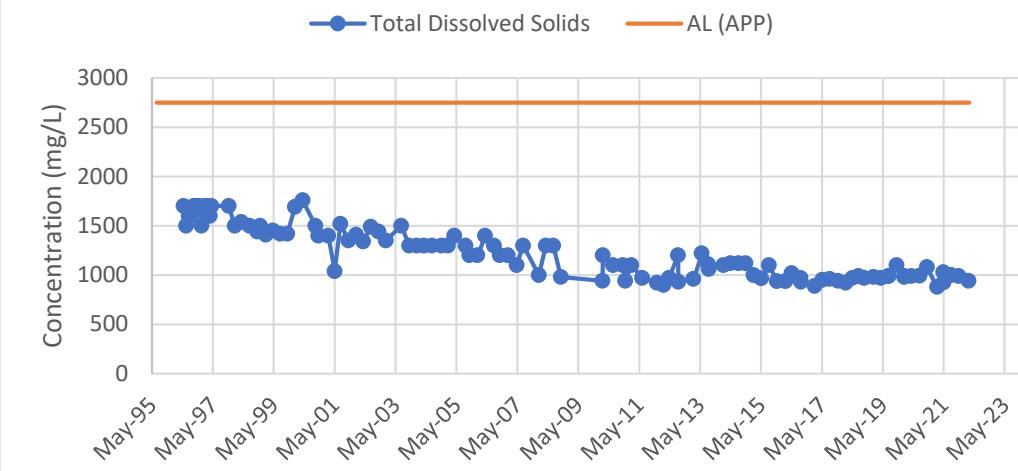


Figure 23c. Field pH

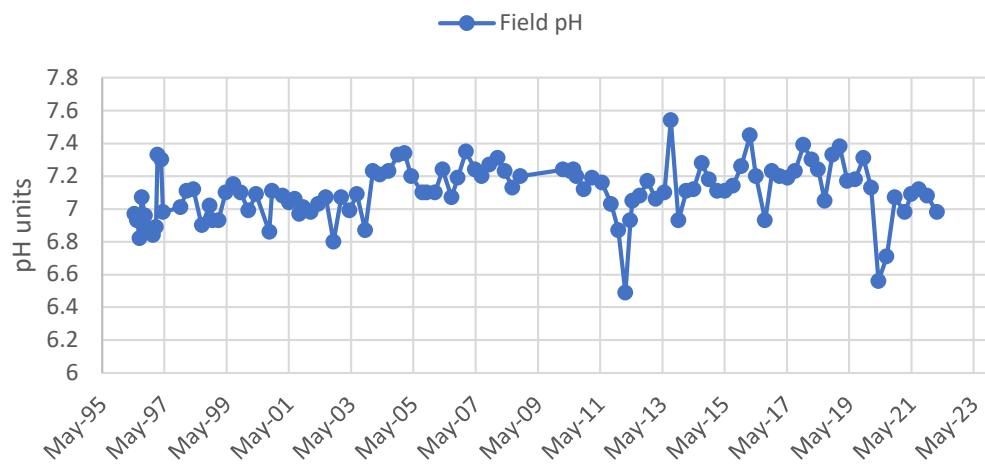
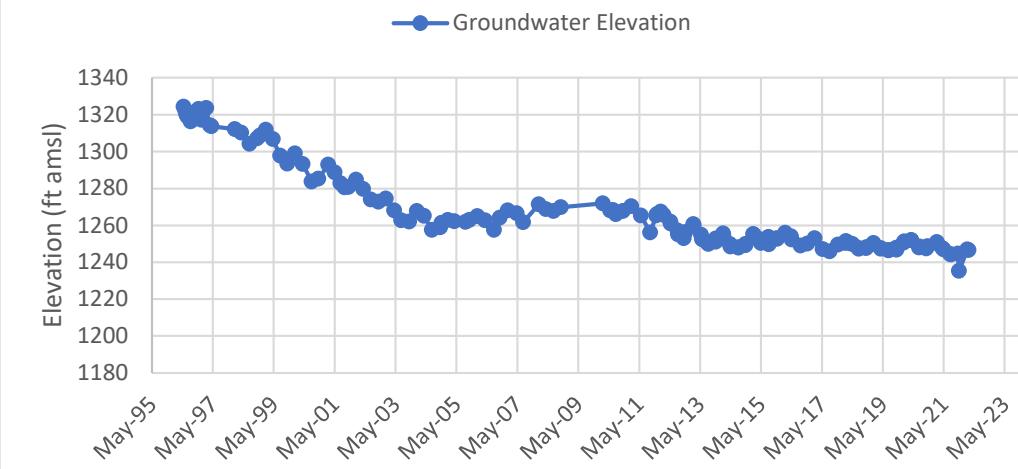


Figure 23d. Groundwater Elevation



Notes:

Historical outliers removed from graphs for visual representation, but are maintained in the dataset.

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M30-O QUARTERLY CONCENTRATION GRAPHS

Figure 24a. Sulfate

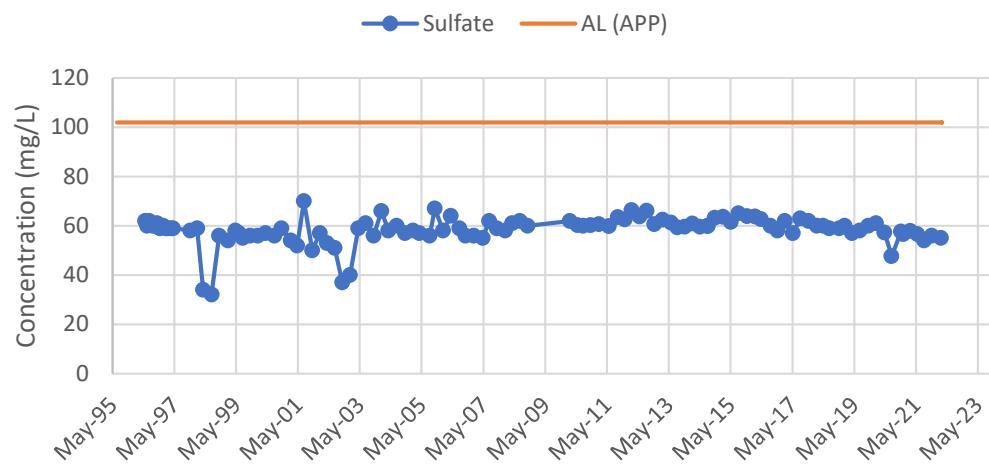


Figure 24b. Total Dissolved Solids

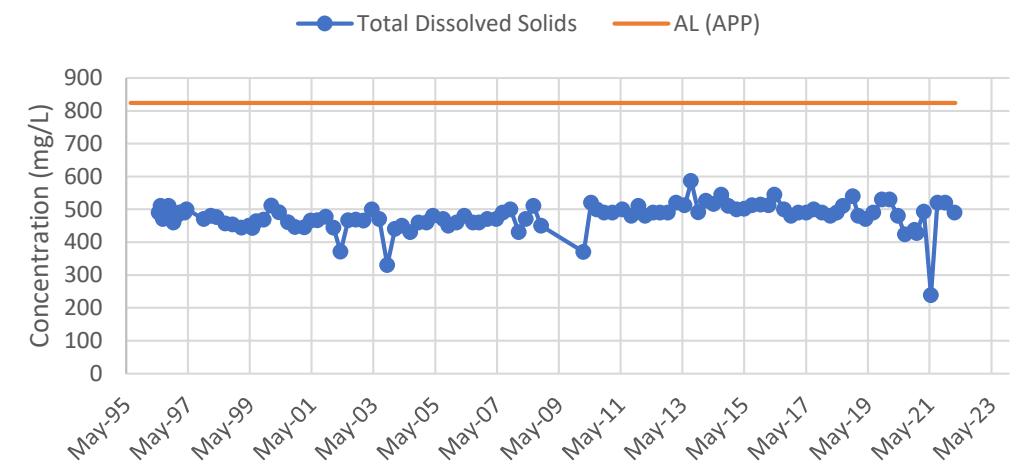


Figure 24c. Field pH

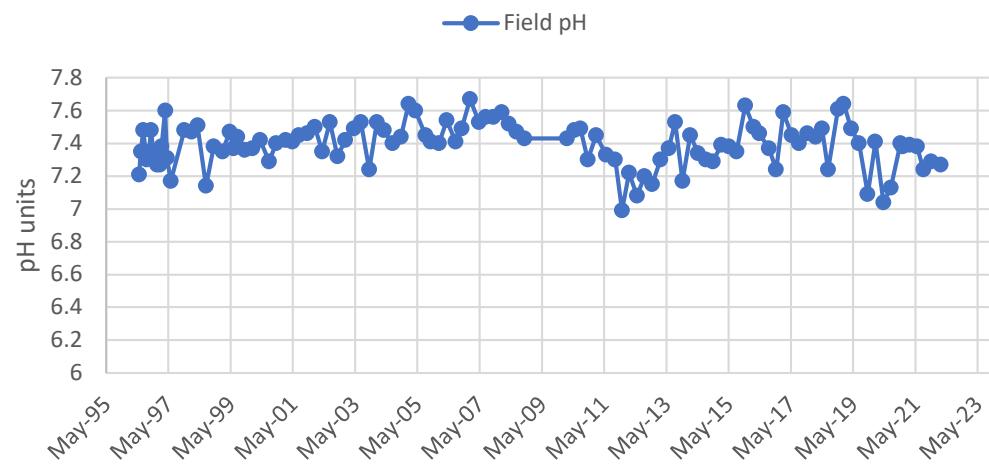
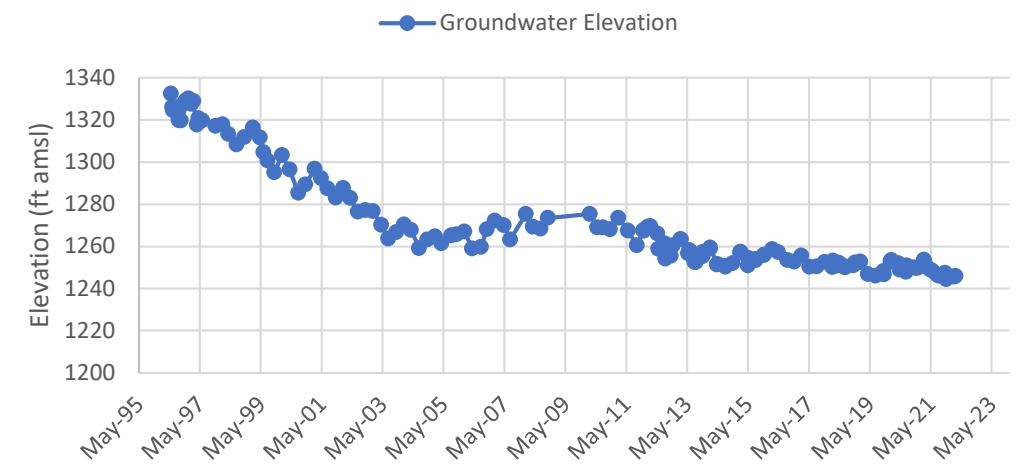


Figure 24d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M31-LBF QUARTERLY CONCENTRATION GRAPHS

Figure 25a. Sulfate

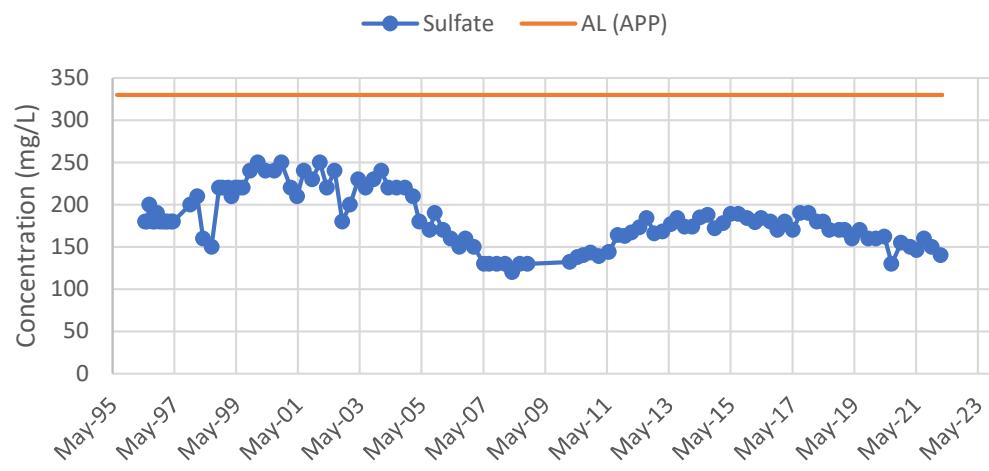


Figure 25b. Total Dissolved Solids

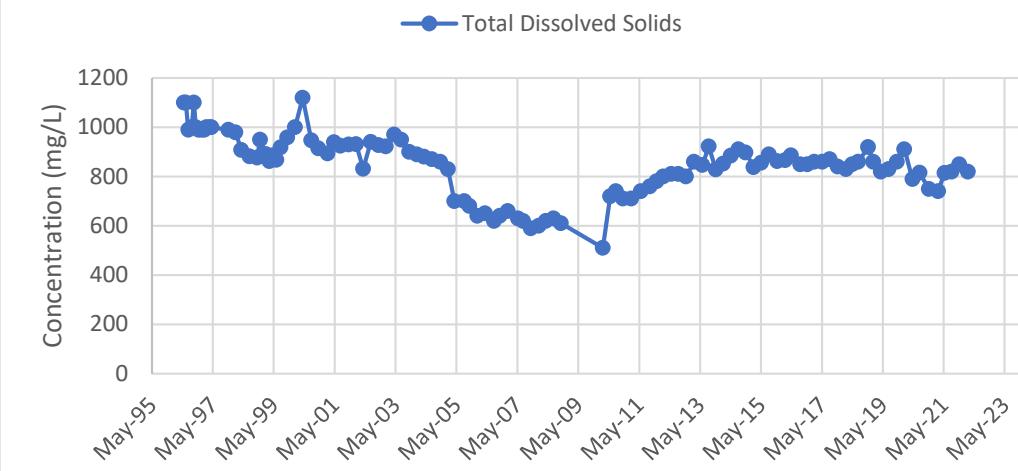


Figure 25c. Field pH

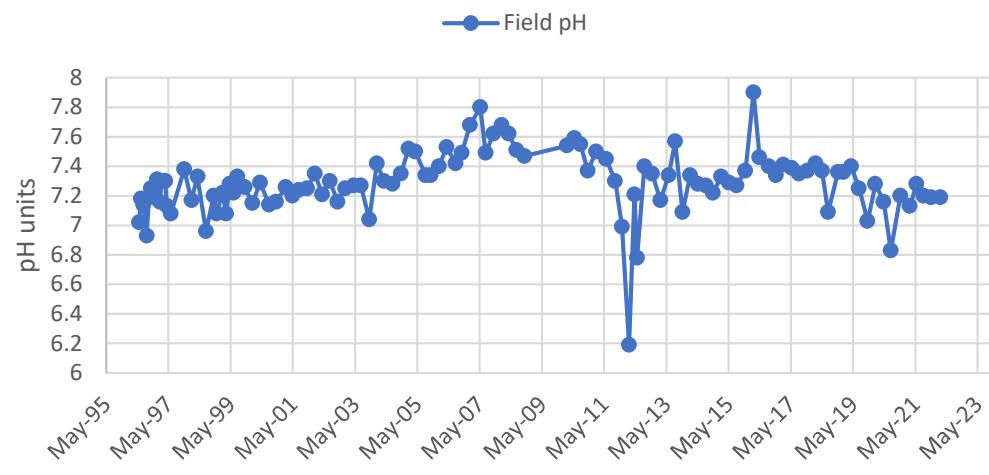
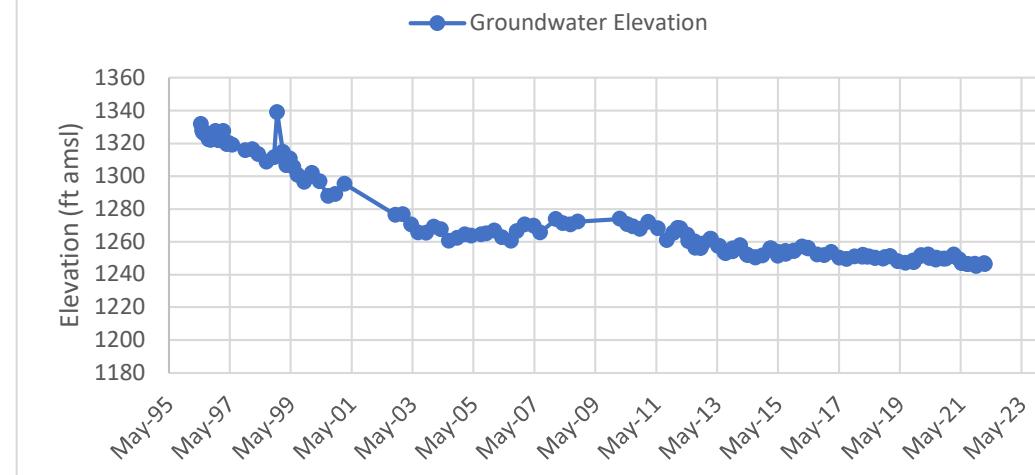


Figure 25d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M32-UBF QUARTERLY CONCENTRATION GRAPHS

Figure 26a. Sulfate

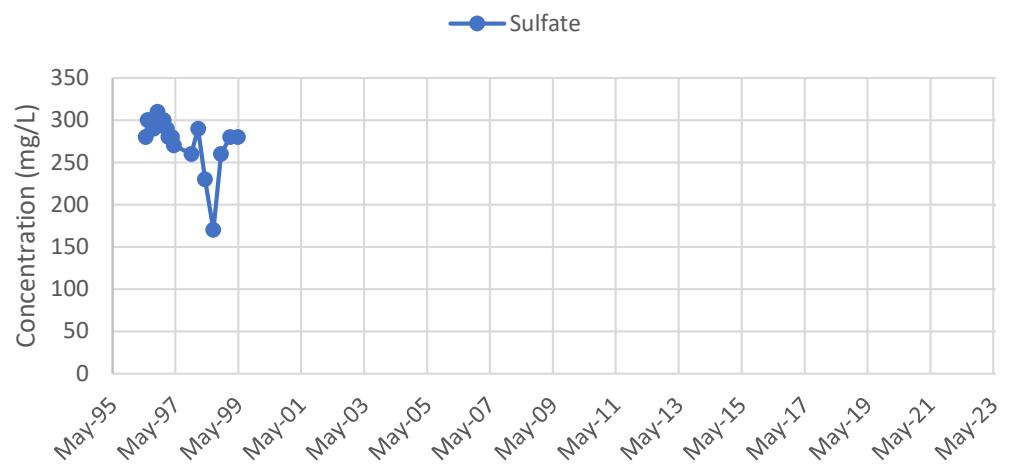


Figure 26b. Total Dissolved Solids

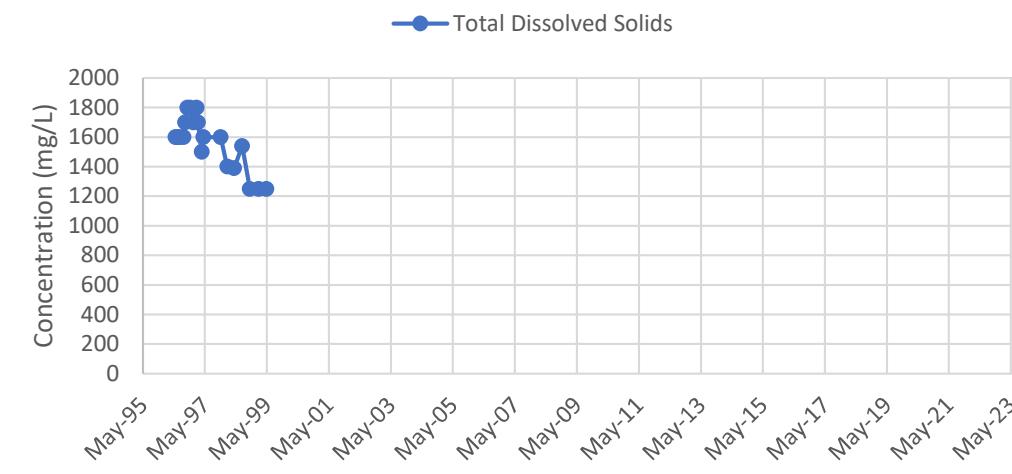


Figure 26c. Field pH

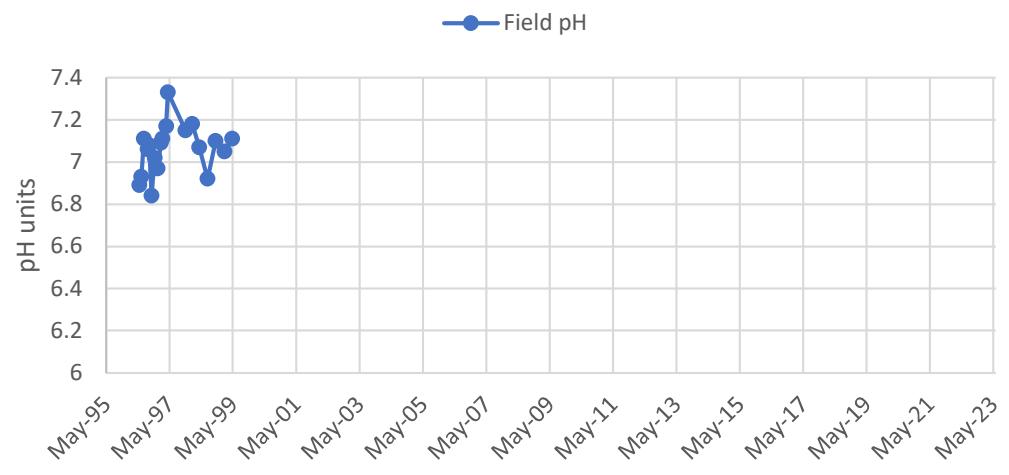
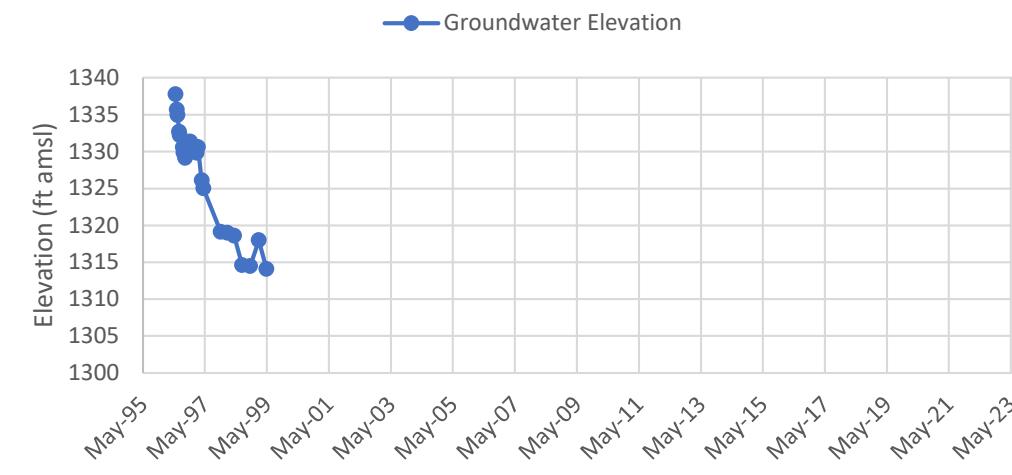


Figure 26d. Groundwater Elevation



Notes:

M32-UBF has been historically dry

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M33-UBF QUARTERLY CONCENTRATION GRAPHS

Figure 27a. Sulfate

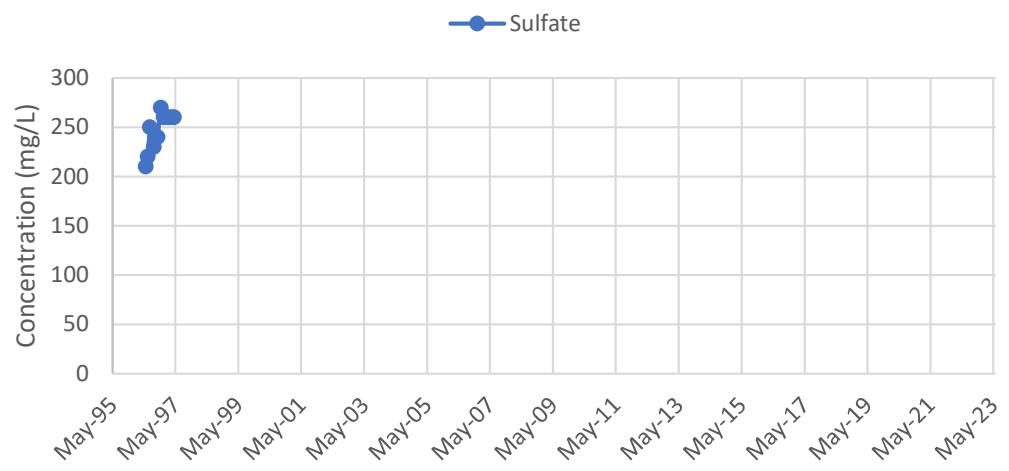


Figure 27b. Total Dissolved Solids

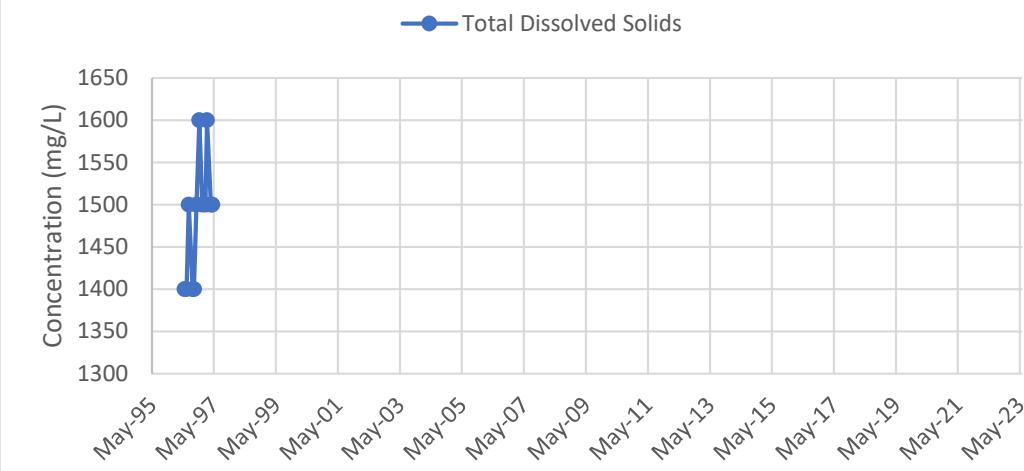


Figure 27c. Field pH

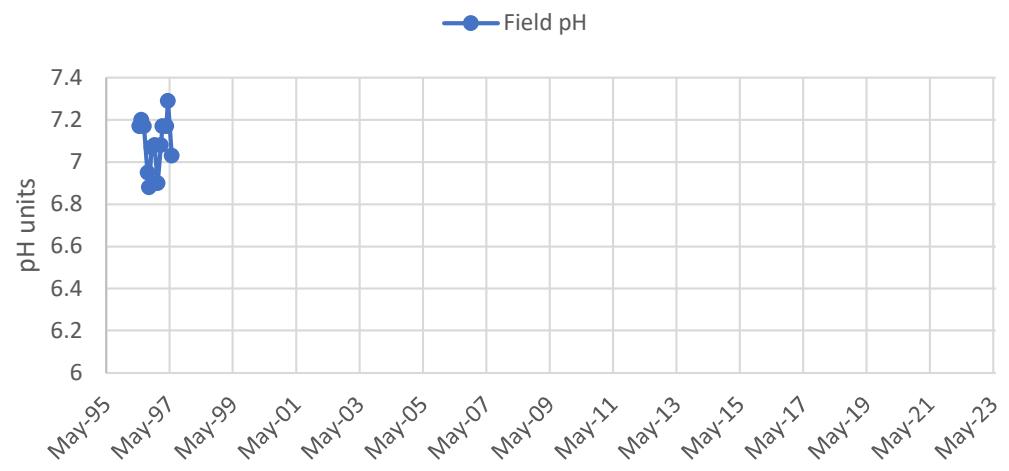
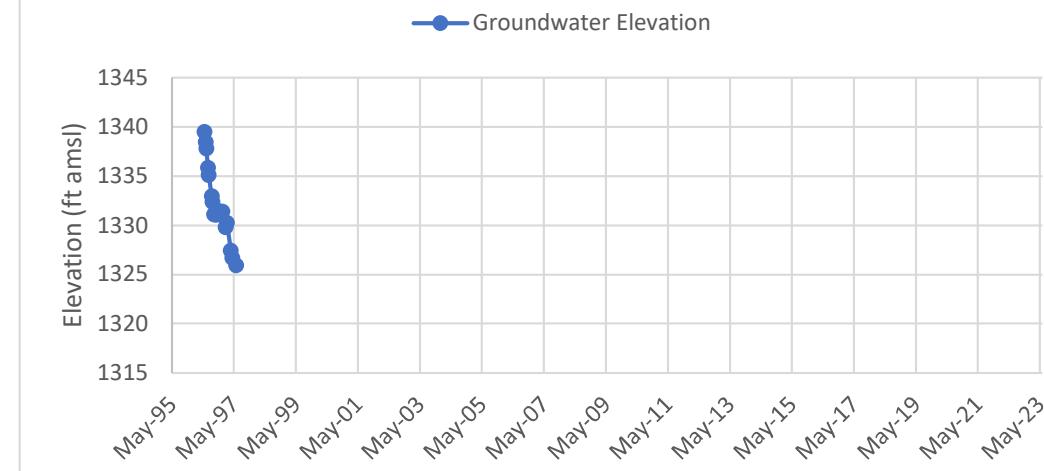


Figure 27d. Groundwater Elevation



Notes:

M32-UBF has been historically dry

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

M52-UBF QUARTERLY CONCENTRATION GRAPHS

Figure 28a. Sulfate

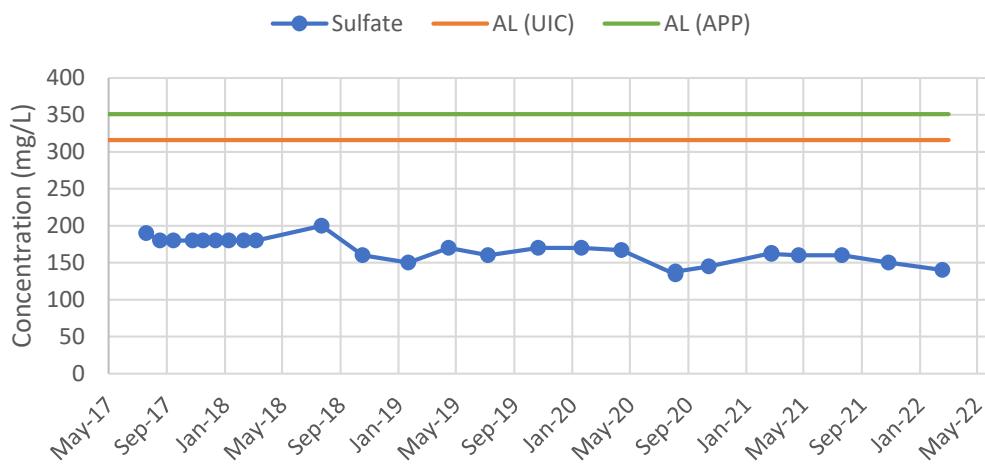


Figure 28b. Total Dissolved Solids

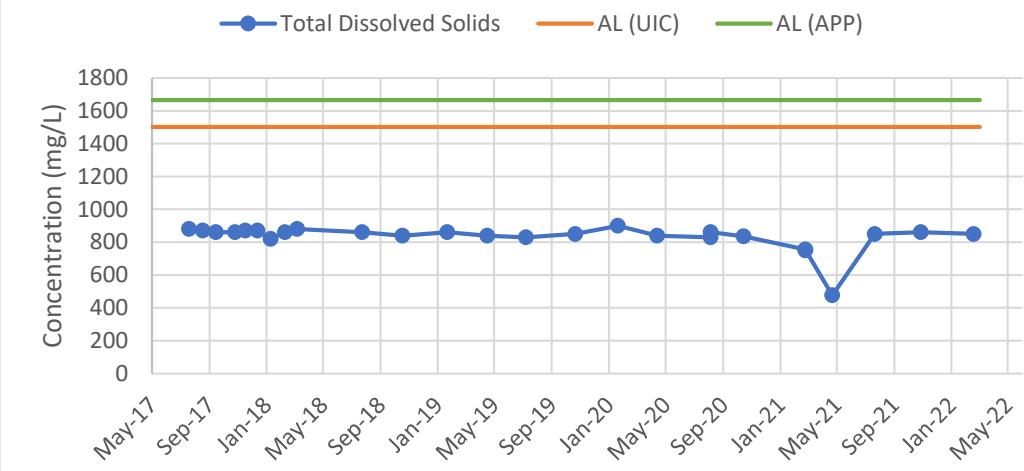


Figure 28c. Field pH

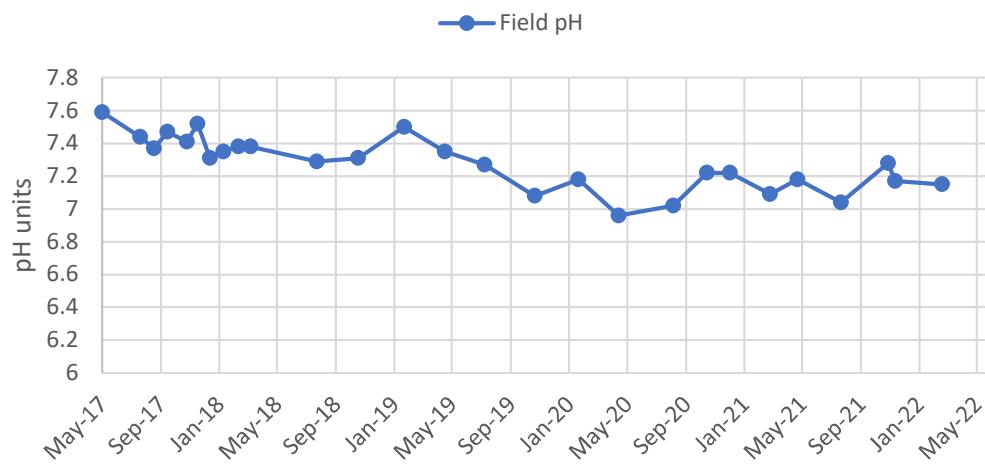
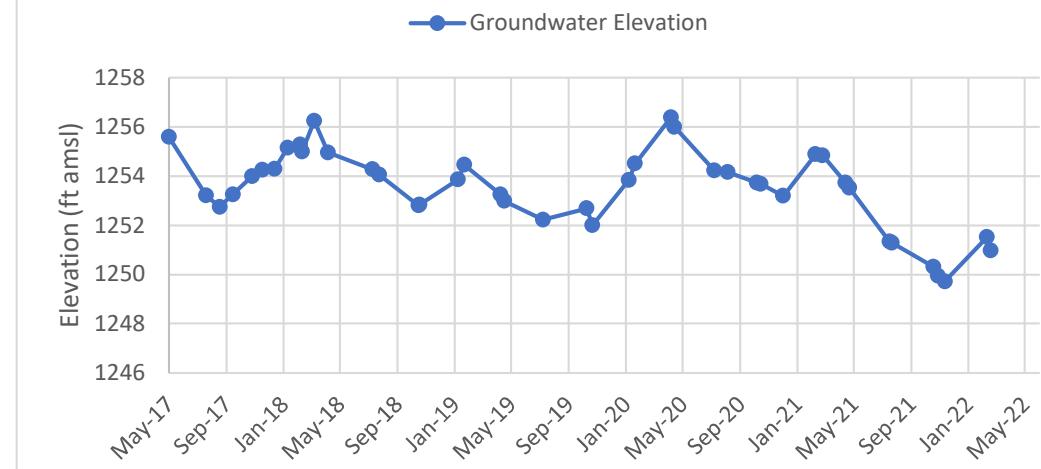


Figure 28d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M54-LBF QUARTERLY CONCENTRATION GRAPHS

Figure 29a. Sulfate

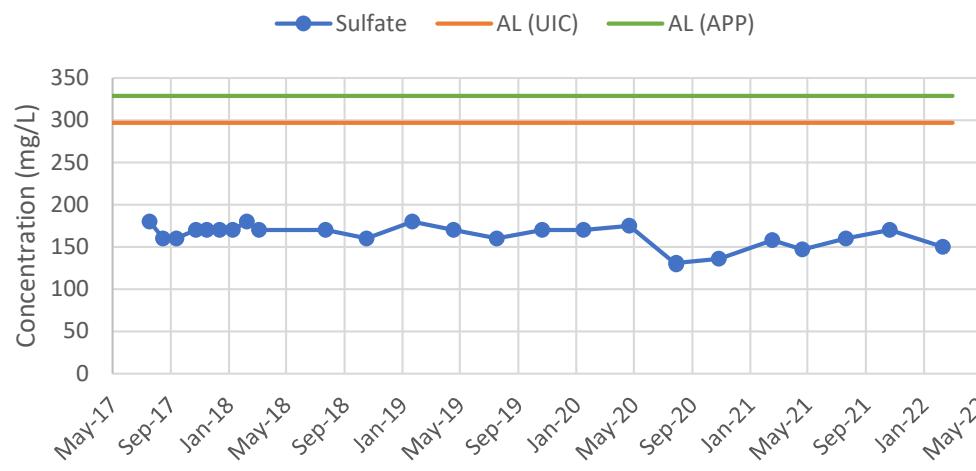


Figure 29b. Total Dissolved Solids

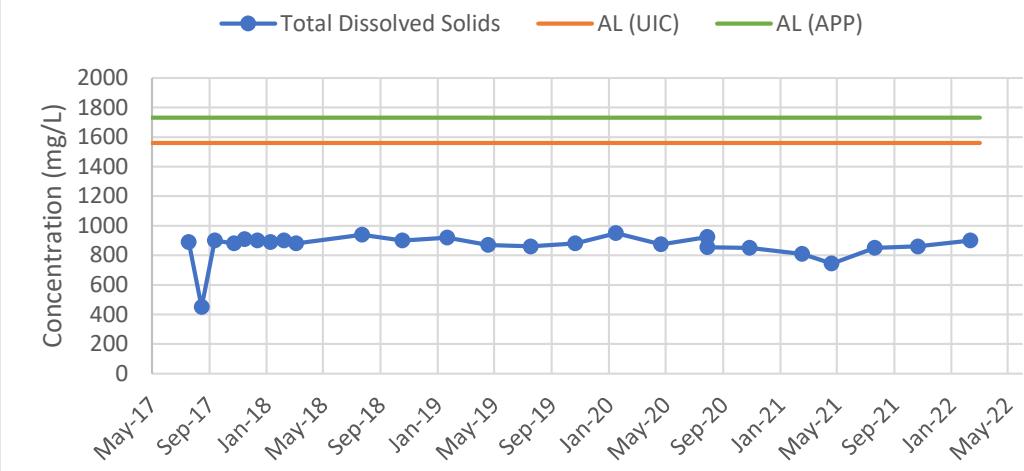


Figure 29c. Field pH

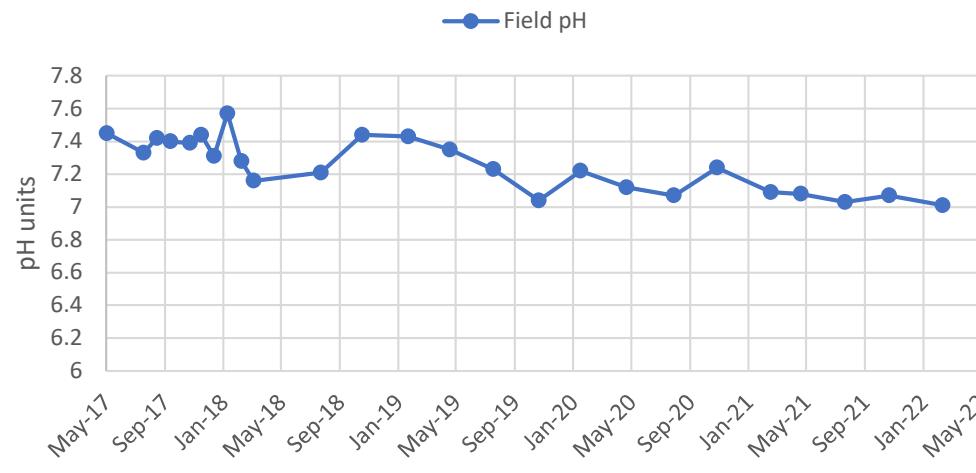
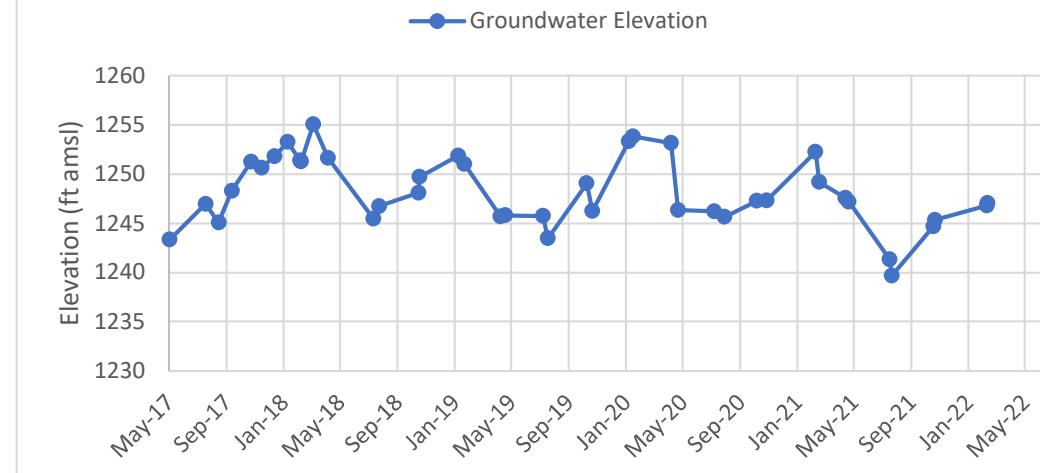


Figure 29d. Groundwater Elevation



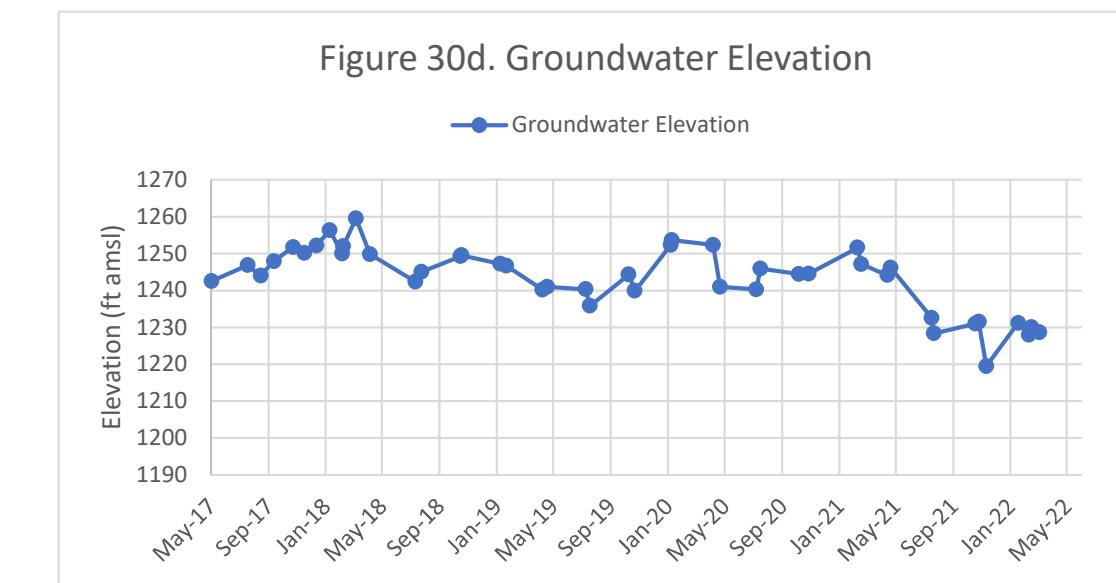
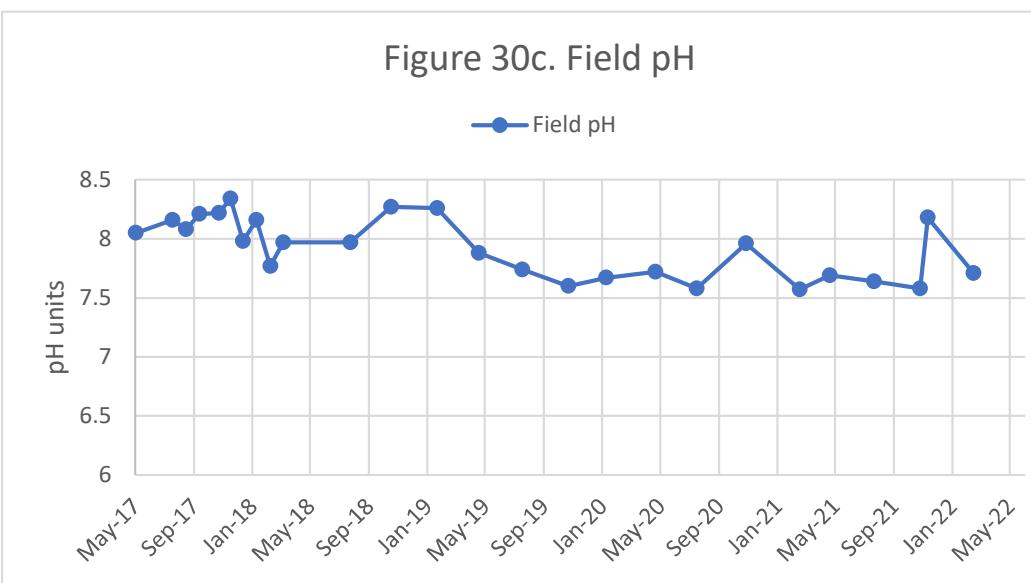
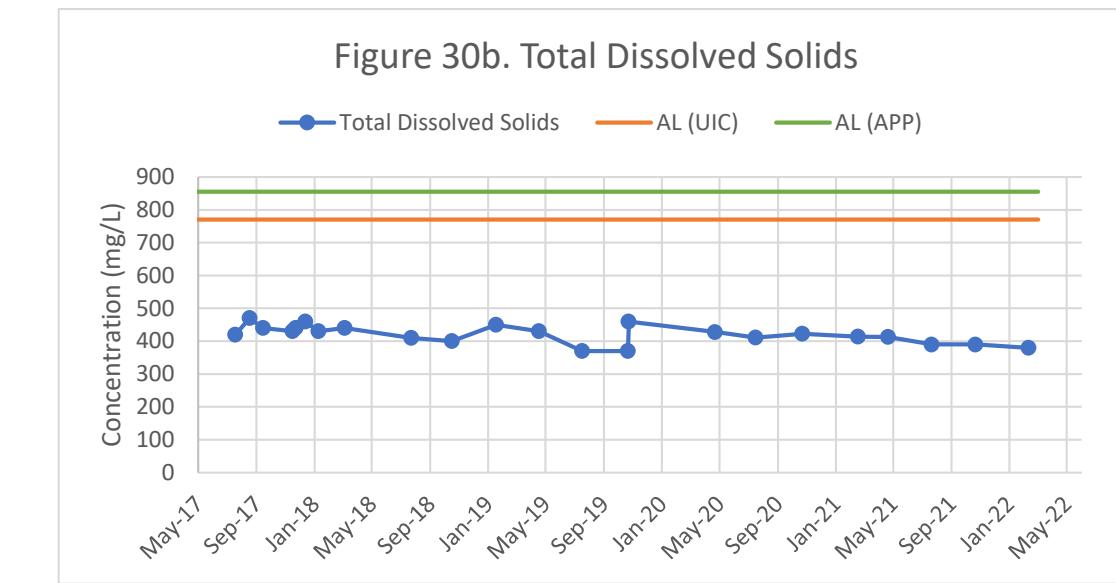
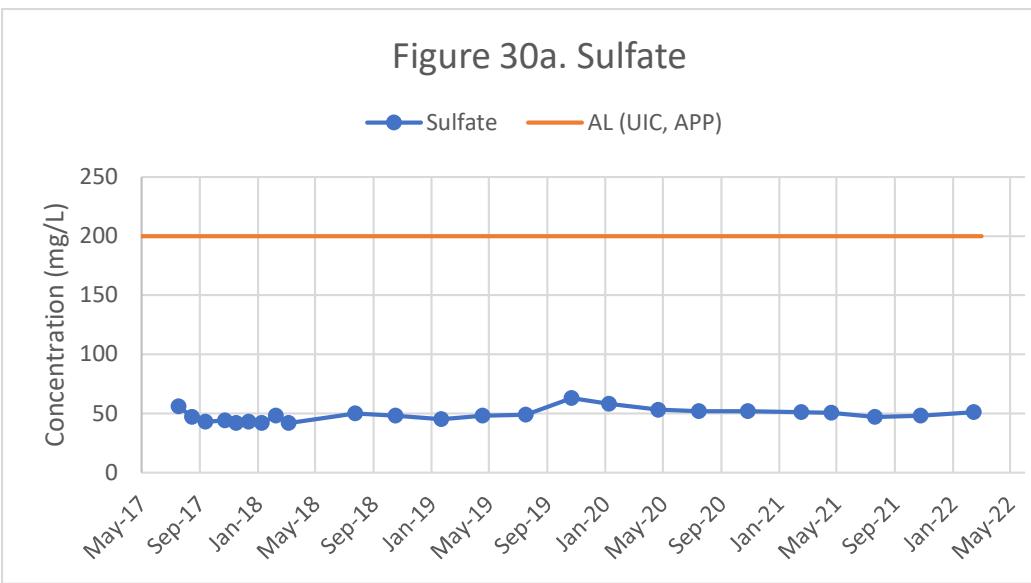
Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

M54-O QUARTERLY CONCENTRATION GRAPHS



Notes:

Historical outliers removed from graphs for visual representation, but are maintained in the dataset.

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

O19-GL QUARTERLY CONCENTRATION GRAPHS

Figure 31a. Sulfate

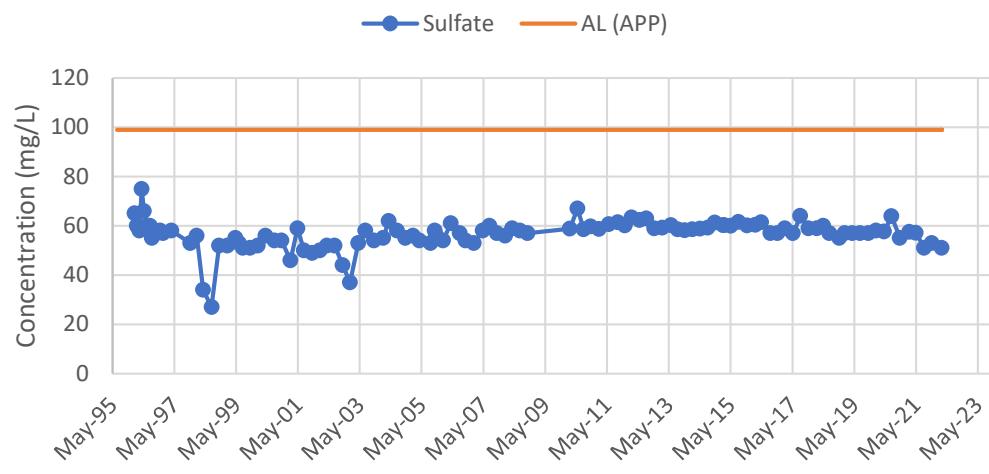


Figure 31b. Total Dissolved Solids

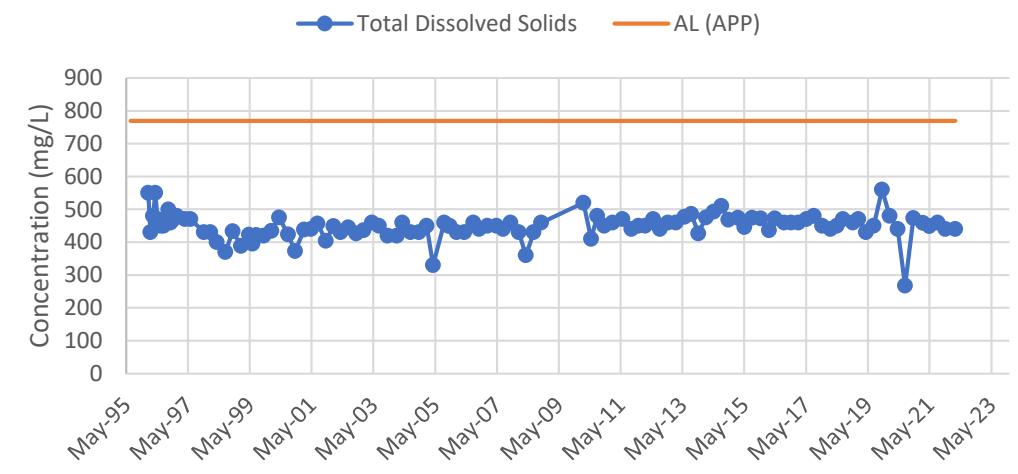


Figure 31c. Field pH

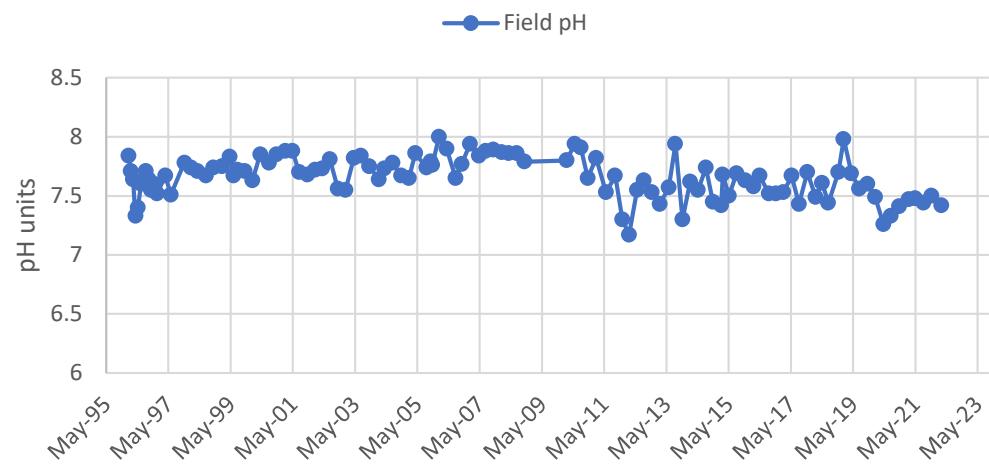
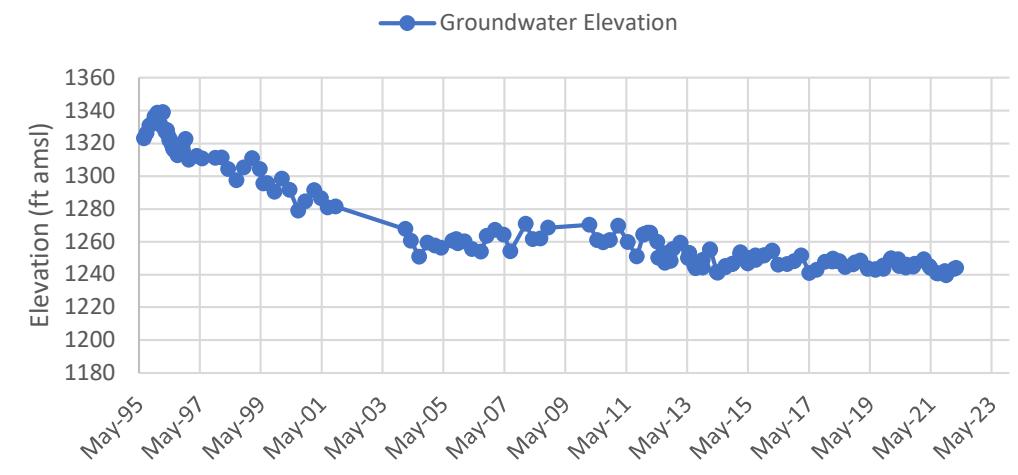


Figure 31d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

O49-GL(R) QUARTERLY CONCENTRATION GRAPHS

Figure 32a. Sulfate

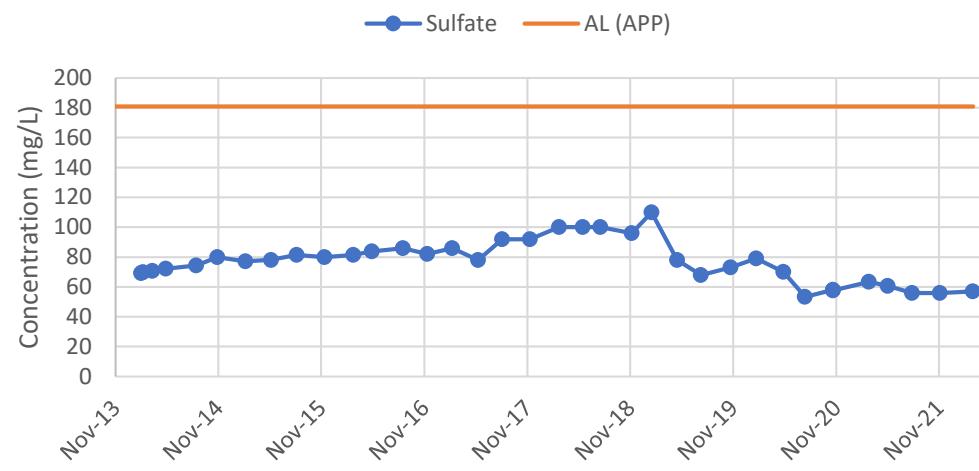


Figure 32b. Total Dissolved Solids

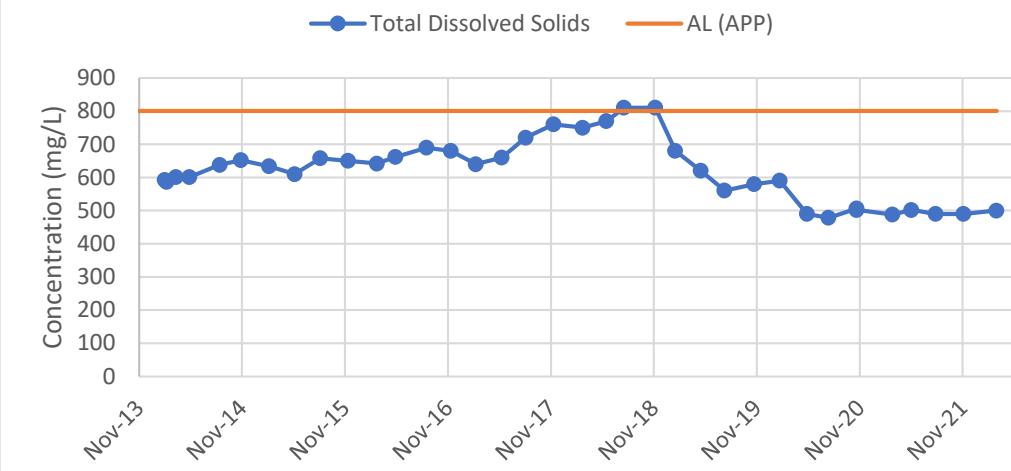


Figure 32c. Field pH

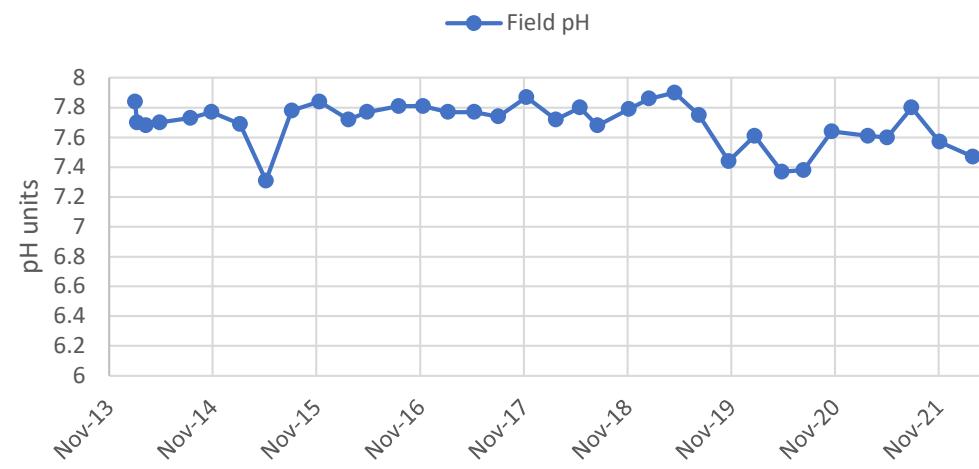
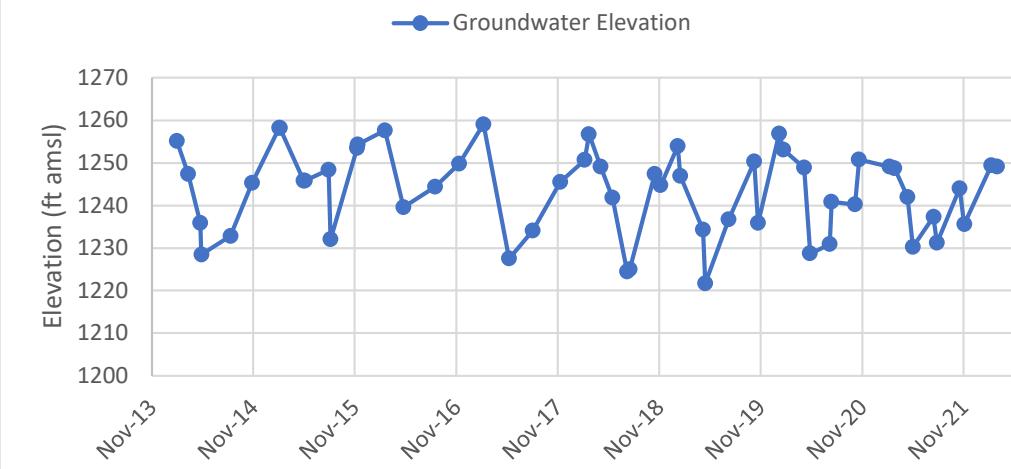


Figure 32d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

P19-1-O QUARTERLY CONCENTRATION GRAPHS

Figure 33a. Sulfate

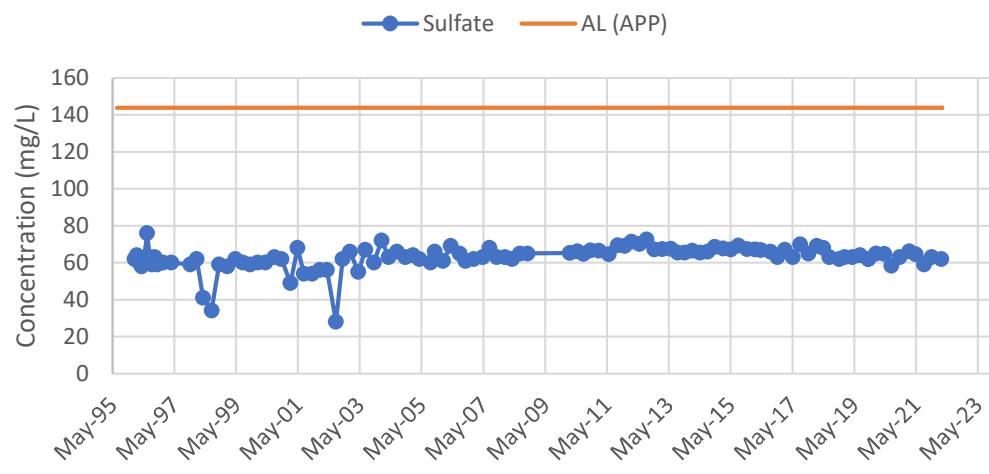


Figure 33b. Total Dissolved Solids

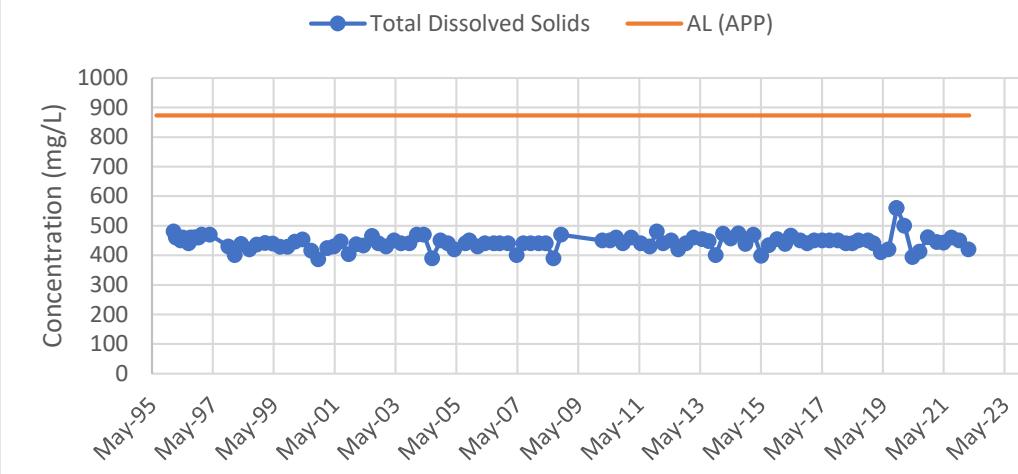


Figure 33c. Field pH

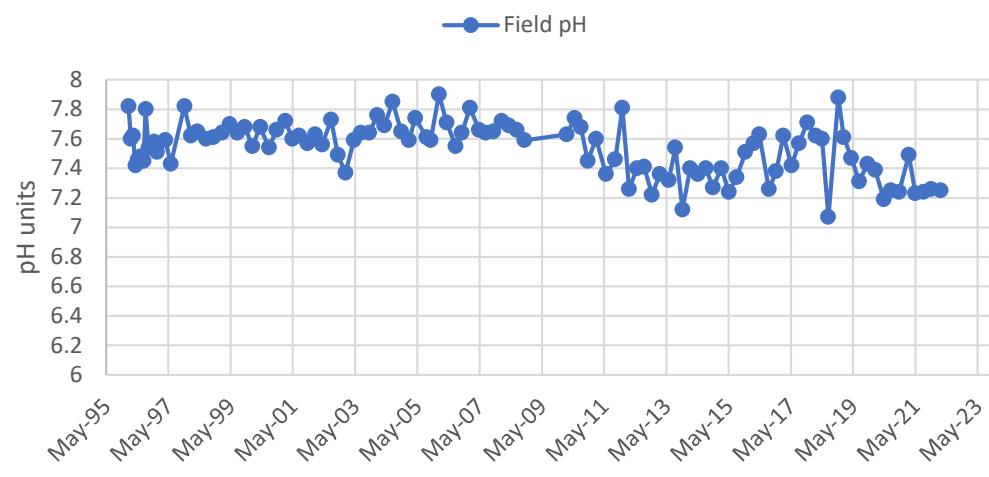
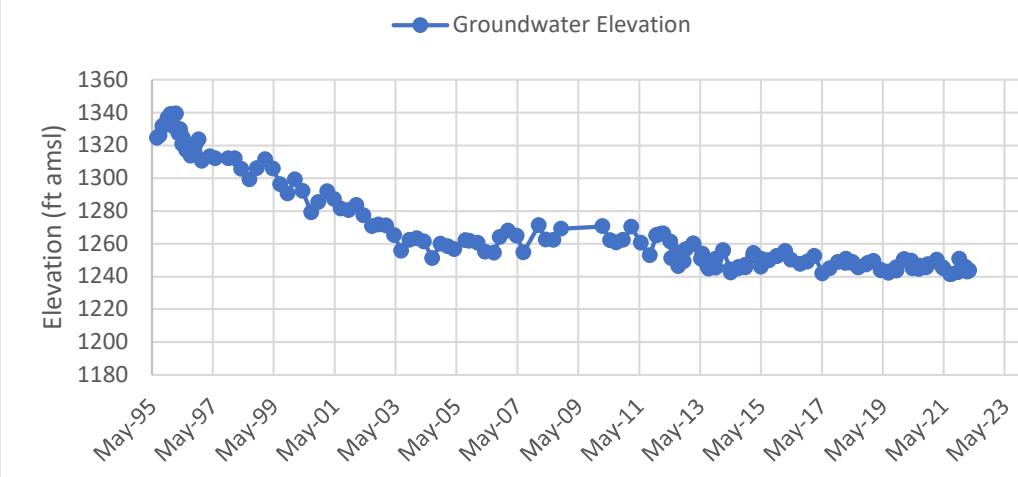


Figure 33d. Groundwater Elevation



Notes:

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

P49-O QUARTERLY CONCENTRATION GRAPHS

Figure 34a. Sulfate

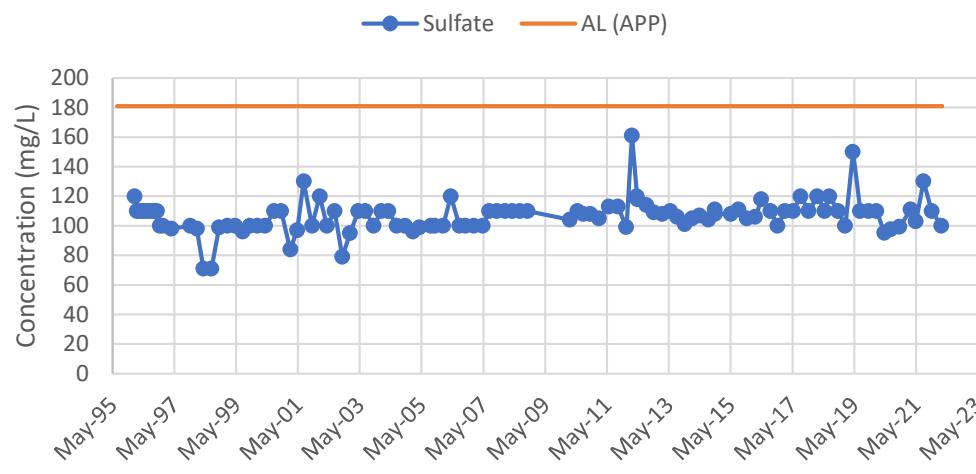


Figure 34b. Total Dissolved Solids

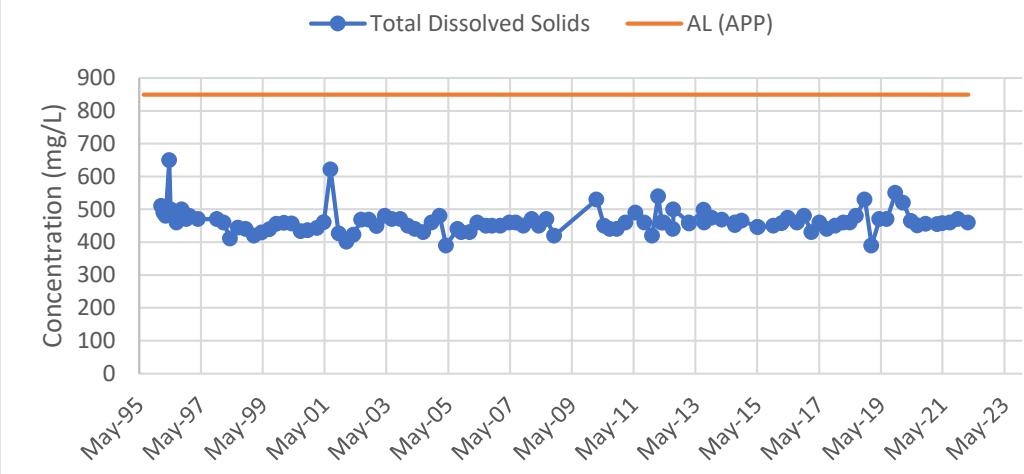


Figure 34c. Field pH

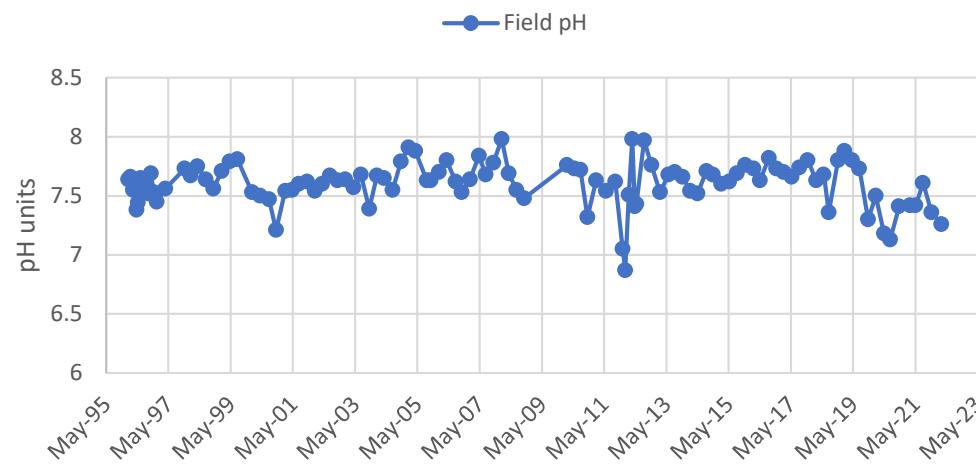
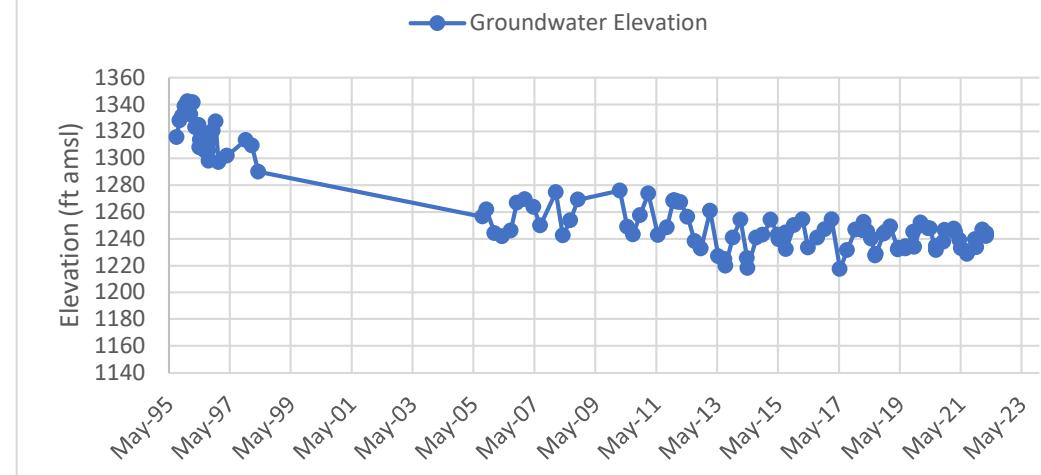


Figure 34d. Groundwater Elevation



Notes:

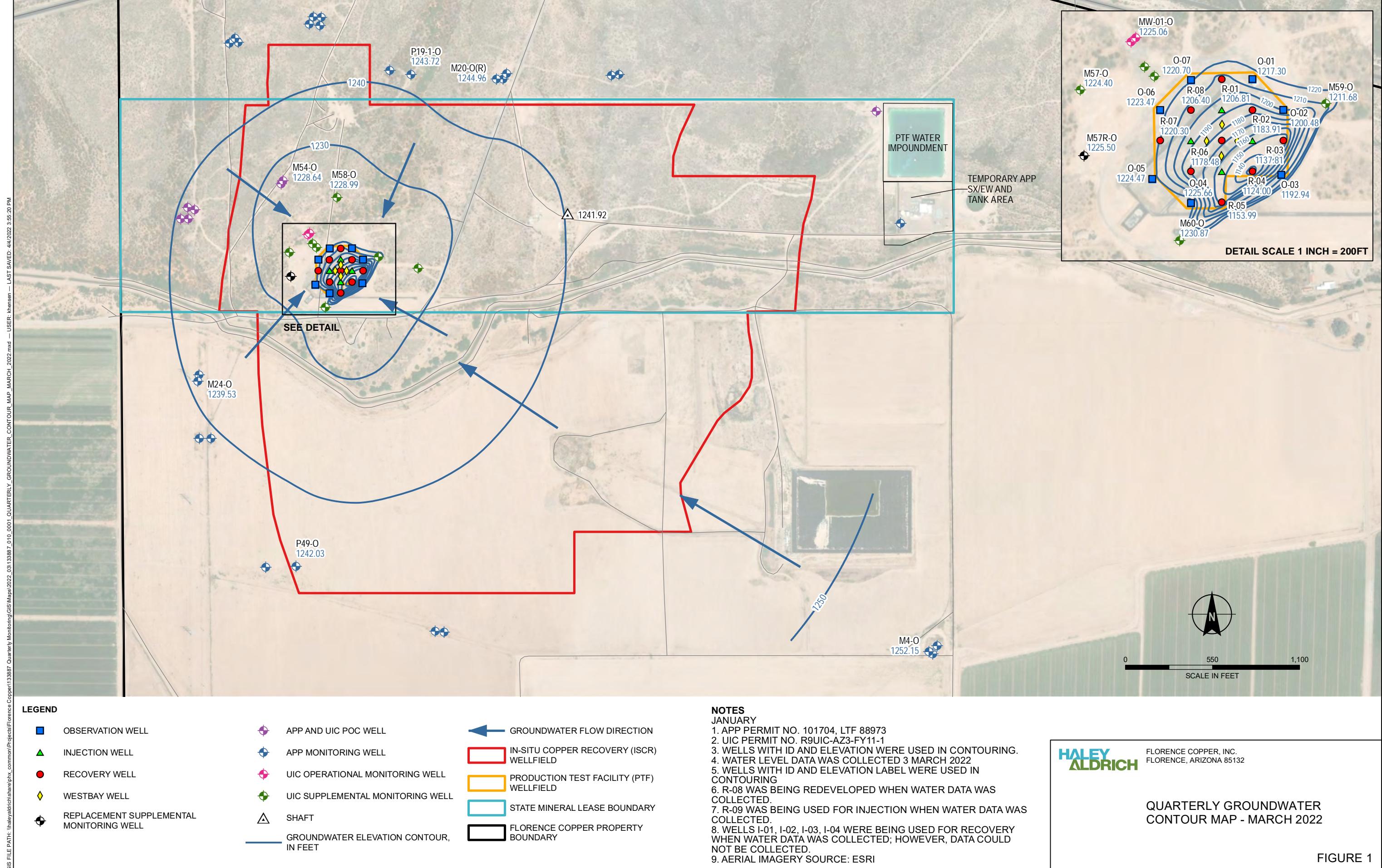
Historical outliers removed from graphs for visual representation, but are maintained in the dataset.

AL = Alert level

APP = Aquifer Protection Permit No. P-101704

ATTACHMENT 8

Quarterly Groundwater Elevation Contour Map



ATTACHMENT 9

Table of Wells in the Discharge Impact Area

Q1 2022 MONITORING WELLS WITHIN

THE DISCHARGE IMPACT AREA

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 1. Monitoring Wells Within the Discharge Impact Area

Well ID	Latitude	Longitude	Well Depth (feet)
M54-LBF	33°03'7.07"N	111°26'9.29"W	629
M54-O	33°03'6.91"N	111°26'9.22"W	1199
M55-UBF	33°03'1.99"N	111°26'6.18"W	261
M56-LBF	33°03'2.21"N	111°26'6.44"W	340
M57-O	33°03'1.88"N	111°26'8.39"W	1200
M57R-O	33°03'0.31"N	111°26'8.16"W	1200
M58-O	33°03'5.20"N	111°26'4.94"W	1200
M59-O	33°03'1.58"N	111°26'2.25"W	1200
M60-O	33°02'58.70"N	111°26'5.78"W	1201
M61-LBF	33°03'0.85"N	111°25'58.92"W	630
MW-01-LBF	33°03'02.9442"N	111°26'07.1046"W	440
MW-01-O	33°03'03.045"N	111°26'06.9786"W	1200
P49-O	33°02'42"N	111°26'07"W	1242

**Q1 2022 WATER LEVELS WITHIN
THE DISCHARGE IMPACT AREA**

FLORENCE COPPER INC.
FLORENCE, ARIZONA

Table 2. Water Levels Within the Discharge Impact Area

Well ID	Date	Depth to Water (feet)	Description of Measuring Point	Elevation of Measuring Point (feet amsl)	Water Level Elevation (feet amsl)
M54-LBF	02/09/2022	235.11	TOC	1481.92	1246.81
M54-LBF	02/10/2022	234.86	TOC	1481.92	1247.06
M54-O	01/17/2022	251.30	TOC	1482.47	1231.17
M54-O	02/09/2022	254.50	TOC	1482.47	1227.97
M54-O	02/14/2022	252.39	TOC	1482.47	1230.08
M54-O	03/03/2022	253.83	TOC	1482.47	1228.64
M55-UBF	02/09/2022	230.54	TOC	1479.14	1248.60
M55-UBF	02/15/2022	230.57	TOC	1479.14	1248.57
M56-LBF	02/09/2022	234.79	TOC	1478.65	1243.86
M56-LBF	02/15/2022	234.95	TOC	1478.65	1243.70
M57-O	01/17/2022	251.70	TOC	1478.71	1227.01
M57-O	02/09/2022	255.20	TOC	1478.71	1223.51
M57-O	02/22/2022	255.65	TOC	1478.71	1223.06
M57-O	03/03/2022	254.31	TOC	1478.71	1224.40
M57R-O	01/17/2022	249.81	TOC	1478.29	1228.48
M57R-O	02/09/2022	253.71	TOC	1478.29	1224.58
M57R-O	02/15/2022	252.19	TOC	1478.29	1226.10
M57R-O	03/03/2022	252.79	TOC	1478.29	1225.50
M58-O	01/17/2022	250.55	TOC	1481.08	1230.53
M58-O	02/09/2022	253.58	TOC	1481.08	1227.50
M58-O	02/14/2022	252.25	TOC	1481.08	1228.83
M58-O	03/02/2022	252.09	TOC	1481.08	1228.99
M59-O	01/13/2022	266.49	TOC	1480.19	1213.70
M59-O	01/17/2022	266.69	TOC	1480.19	1213.50
M59-O	02/07/2022	267.60	TOC	1480.19	1212.59
M59-O	02/09/2022	267.95	TOC	1480.19	1212.24
M59-O	03/02/2022	266.20	TOC	1480.19	1213.99
M59-O	03/03/2022	268.51	TOC	1480.19	1211.68
M60-O	01/12/2022	244.59	TOC	1477.36	1232.77
M60-O	01/17/2022	243.23	TOC	1477.36	1234.13
M60-O	02/09/2022	247.25	TOC	1477.36	1230.11
M60-O	03/03/2022	246.49	TOC	1477.36	1230.87
M61-LBF	02/09/2022	245.49	TOC	1480.78	1235.29
M61-LBF	02/14/2022	243.82	TOC	1480.78	1236.96
MW-01-LBF	02/09/2022	233.37	TOC	1478.92	1245.55
MW-01-LBF	02/10/2022	233.32	TOC	1478.92	1245.60
MW-01-O	01/12/2022	251.88	TOC	1479.07	1227.19
MW-01-O	01/17/2022	251.58	TOC	1479.07	1227.49
MW-01-O	02/09/2022	254.77	TOC	1479.07	1224.30
MW-01-O	02/10/2022	253.60	TOC	1479.07	1225.47
MW-01-O	03/02/2022	254.11	TOC	1479.07	1224.96
MW-01-O	03/03/2022	254.01	TOC	1479.07	1225.06
P49-O	01/17/2022	216.44	TOM	1463.12	1246.68
P49-O	02/09/2022	220.88	TOM	1463.12	1242.24
P49-O	03/01/2022	219.02	TOM	1463.12	1244.10
P49-O	03/02/2022	221.09	TOM	1463.12	1242.03
Status of Local Production Wells					
BIA-10	07/16/2021			Pumping	
PW2-1	07/16/2021			Not Pumping	

Notes:

amsl = above mean sea level

TOC= top of casing

TOM = top of monument

ATTACHMENT 10

10A – Groundwater Sampling Results for POC Wells

10B – Summary of Quarterly Water Levels

ATTACHMENT 10A

Groundwater Sampling Results for POC Wells

TECHNICAL MEMORANDUM

28 April 2022
File No. 133887-013

TO: Florence Copper Inc.
Brent Berg
General Manager

FROM: Haley & Aldrich, Inc.
Laura Menken, R.G.
Senior Technical Specialist
Mark Nicholls, R.G.
Lead Hydrogeologist

SUBJECT: Florence Copper Project, Quarterly Compliance Monitoring Report
Aquifer Protection Permit (APP), First Quarter 2022



Haley & Aldrich, Inc. has prepared this memorandum to present the results of the quarterly compliance groundwater monitoring conducted during the first quarter (Q1) 2022 at the Florence Copper Project. The Florence Copper Project is subject to two related permits issued by the Arizona Department of Environmental Quality (ADEQ) and the U.S. Environmental Protection Agency (USEPA).

APP Covering the 1997-98 BHP Pilot Facilities and Future Operations:

- ADEQ APP No. P-101704 (LTF 88973) dated 30 April 2021.

Permits Covering the Current Production Test Facility:

- ADEQ APP No. P-101704 (LTF 88973) dated 30 April 2021, and
- USEPA Underground Injection Control (UIC) Permit No. R9UIC-AZ3-FY11-1 dated 20 December 2016.

This report presents the results of the Q1 2022 groundwater monitoring activities required by the APP.

SAMPLING ACTIVITIES

During Q1 2022, monitoring was conducted at 32 point of compliance (POC) wells. Water levels were collected on 9 February 2022, and quarterly groundwater sampling was conducted between 12 January and 2 March 2022. Groundwater sampling and analysis was conducted in accordance with the requirements of Section 2.5.3 of APP No. P-101704.

The majority of the monitoring wells are equipped with low-flow bladder pumps. Low-flow sampling was conducted in accordance with Section 2.5.3 of the APP. Wells M14-GL, M16-GU(R), M20-O(R), M22-O, M24-O, O49-GL(R), and P49-O were equipped with stainless steel electric submersible pumps. These wells were sampled by purging a minimum of three borehole volumes, except for well M20-O(R), which was purged dry for 2 consecutive days and allowed to recharge prior to sampling. No other modified sampling procedures were used.

Each sample was labeled, placed in a cooler with ice, maintained at 4 degrees Celsius (°C) ± 2°C, and transported under chain of custody to Turner Laboratories, Inc. (Turner) for analysis. Samples were analyzed for the quarterly (Level 1) monitoring parameters listed in Section 4.0, Table 13 of the APP.

Monthly monitoring of well M4-O, which began in December 2020, was continued during Q1 2022 due to an APP alert level (AL) exceedance of magnesium confirmed in Q4 2020. Monthly samples collected from M4-O were analyzed for the quarterly (Level 1) monitoring parameters as discussed further below. Well M4-O is an upgradient POC well, and the observed exceedance is not the result of mineral production operations.

RESULTS

Field parameters collected during the sampling event are provided in Table 1.¹ The analytical results for magnesium, sulfate, fluoride, and total dissolved solids (TDS) are provided in Table 2. The Q1 2022 results were compared to the ALs and aquifer quality limits (AQL) listed in the applicable tables in Section 4.0 of APP No. P-101704.

No AQL exceedances occurred during Q1 2022. There were no exceedances of ALs during Q1 2022, with the exception of magnesium and total dissolved solids in M4-O. The exceedances in M4-O are discussed further below under the Contingency Sampling Plan section. A quality assurance/quality control summary of the Q1 2022 data is provided in Appendix A.

CONTINGENCY SAMPLING PLANS

As described above, monthly monitoring was conducted at well M4-O during Q1 2022, as required by Section 2.6.2.5.1 of the APP.

Point of Compliance Well M4-O

Well M4-O had a confirmed magnesium AL exceedance in Q4 2020. In accordance with Section 2.6.2.5.1 of the APP, Florence Copper Inc. (Florence Copper) initiated monthly sampling of quarterly compliance monitoring parameters during Q4 2020.

¹ Note that turbidity was monitored as a field parameter in addition to field pH, temperature, and specific conductance, but is not required by APP No. P-101704 and is therefore not reported.

In Q1 2022, well M4-O was sampled on 12 January, 16 February, and 2 March 2022. Results and exceedances are provided in the table below. The first sample of the quarter introduced an exceedance of TDS, a Level 1 parameter. Since all Level 1 parameters are already included in monthly sampling, no changes were made to the monthly parameter suite. All other parameters were below their respective ALs/AQLs in each sample.

Results for Well M4-O				
Date	Parameter	Result	APP AL	APP AQL
12 January 2022	Magnesium	26 mg/L	15 mg/L	No AQL
16 February 2022		29 mg/L	15 mg/L	No AQL
2 March 2022		29 mg/L	15 mg/L	No AQL
12 January 2022	TDS	1100 mg/L	1072 mg/L	No AQL
16 February 2022		1200 mg/L	1072 mg/L	No AQL
2 March 2022		1200 mg/L	1072 mg/L	No AQL

Notes:

Bold = Exceedances
AL = alert level
APP = Aquifer Protection Permit
AQL = aquifer quality limit
mg/L = milligrams per liter
TDS = total dissolved solids

Based on previous correspondence with ADEQ, notification of the monthly magnesium monitoring results is solely reported in the quarterly compliance groundwater monitoring report. However, since exceedances of TDS were introduced this quarter, Florence Copper submitted the following to ADEQ via the MyDEQ portal:

- A contingency report on 17 February 2022 for the 12 January 2022 sample (INC13923); and
- A contingency report on 17 March 2022 for the 16 February 2022 sample (INC13982).

ADEQ has resolved both INC13923 and INC13982 and no further action was necessary. Per ADEQ, 30-day updates are no longer needed for TDS; TDS exceedances will be reported on a quarterly basis.

The exceedances at M4-O are not related to solutions migrating from the wellfield. Well M4-O, a POC well, is located upgradient and over 3,500 feet from the operational wellfield. Hydraulic control has been maintained throughout PTF operations. Per Section 2.6.2.5.1, monthly monitoring of the quarterly compliance monitoring parameters at M4-O will continue through Q2 2022.

Attachments:

- Table 1 – Q1 2022 Field Parameters
Table 2 – Q1 2022 Quarterly (Level 1) Analytical Parameters
Appendix A – Data Quality Assurance/Quality Control Summary

TABLES

TABLE 1
Q1 2022 FIELD PARAMETERS
FLORENCE COPPER INC.
FLORENCE, ARIZONA

Location	Sample Date	Temperature, Field Deg C	Temperature, Field Deg F	pH, Field pH units	Specific Conductance, Field μmhos/cm
M1-GL	03/01/2022	21.9	71.4	7.12	1,299
M2-GU	02/16/2022	20.4	68.7	7.08	1,828
M3-GL	02/16/2022	20.8	69.4	7.05	1,528
M4-O	01/12/2022	21.5	70.7	6.93	2,181
M4-O ⁽¹⁾	02/16/2022	20.8	69.4	7.03	2,183
M4-O ⁽¹⁾	03/02/2022	21.5	70.7	6.97	2,289
M6-GU	02/22/2022	22.2	72.0	8.18	771
M7-GL	02/22/2022	22.8	73.0	9.16	538
M8-O	02/22/2022	23.3	73.9	9.08	742
M14-GL	02/23/2022	26.8	80.2	8.26	909
M15-GU	02/23/2022	21.4	70.5	7.24	1,730
M16-GU(R)	02/28/2022	23.8	74.8	7.37	1,802
M17-GL	02/28/2022	22.7	72.9	9.31	836
M18-GU	03/01/2022	23.2	73.8	7.57	2,202
M19-LBF	02/17/2022	22.9	73.2	7.47	908
M20-O(R)	02/17/2022	24.1	75.4	7.08	878
M21-UBF	02/17/2022	21.9	71.4	7.10	1,840
M22-O	02/16/2022	28.0	82.4	8.02	827
M23-UBF	02/23/2022	21.3	70.3	7.06	2,128
M24-O	02/28/2022	30.0	86.0	7.82	2,005
M25-UBF	02/28/2022	21.2	70.2	6.91	2,714
M26-O	02/24/2022	22.0	71.6	8.80	595
M27-LBF	02/24/2022	22.6	72.7	7.19	1,994
M28-LBF	02/24/2022	22.3	72.1	8.83	737
M29-UBF	02/24/2022	21.7	71.1	6.98	1,919
M30-O	02/22/2022	22.8	73.0	7.27	963
M31-LBF	02/17/2022	22.5	72.5	7.19	1,616
M52-UBF	02/17/2022	22.2	72.0	7.15	1,638
M54-LBF	02/10/2022	24.6	76.3	7.01	1,672
M54-O	02/14/2022	23.2	73.8	7.71	794
O19-GL	03/01/2022	23.6	74.5	7.42	870
O49-GL(R)	03/01/2022	25.9	78.6	7.47	955
P19-1-O	02/23/2022	20.0	68.0	7.25	845
P49-O	03/01/2022	28.0	82.4	7.26	867

Notes:

(1) Increased frequency monitoring conducted on 2/16/2022 and 3/2/2022.

Deg C = degrees Celsius

Deg F = degrees Fahrenheit

μmhos/cm = micromhos per centimeter

TABLE 2

Q1 2022 QUARTERLY (LEVEL 1) ANALYTICAL PARAMETERS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Location ID	Sample Date	Sample Type	Magnesium, Dissolved		Sulfate		Fluoride			Total Dissolved Solids (TDS)	
			Concentration	Alert Level	Concentration	Alert Level	Concentration	Alert Level	Aquifer Quality Limit	Concentration	Alert Level
M1-GL	03/01/2022	Primary	20	31	110	184.2	0.45 J	3.2	4.0	680	1028
M2-GU	02/16/2022	Primary	30	39	190	275	0.88	3.2	4.0	1,000	1496
M3-GL	02/16/2022	Primary	24	36	150	187	0.66	3.2	4.0	840	1157
M4-O	01/12/2022	Primary	26	15	220	405	0.55	--	5.1	1,100	1072
M4-O ⁽¹⁾	02/16/2022	Primary	29	15	210	405	0.81	--	5.1	1,200	1072
M4-O ⁽¹⁾	03/02/2022	Primary	29	15	210	405	0.60	--	5.1	1,200	1072
M6-GU	02/22/2022	Primary	2.2 J	44	47	86	0.45 J	3.2	4.0	350	620
M7-GL	02/22/2022	Primary	< 0.10	1	5.1	82	0.68	3.2	4.0	260	464
M8-O	02/22/2022	Primary	0.12 J	1	57	122	1.9	3.6	4.0	360	609
M14-GL	02/23/2022	Primary	1.8 J	23	56	144	0.40 J	3.2	4.0	400	874
M15-GU	02/23/2022	Primary	26	44	94	126	0.29 J	3.2	4.0	880	1359
M16-GU(R)	02/28/2022	Primary	34	52	160	248	0.33 J	3.2	4.0	920	1635
M17-GL	02/28/2022	Primary	3.9	9.3	70	209	0.49 J	3.2	4.0	400	831
M18-GU	03/01/2022	Primary	32	36	220	288	0.68	3.2	4.0	1,100	1323
M19-LBF	02/17/2022	Primary	11	21	38	89	0.46 J	3.2	4.0	430	794
M20-O(R)	02/17/2022	Primary	8.4	14	60	112	0.80	3.2	4.0	480	809
M21-UBF	02/17/2022	Primary	26	87	170	487	0.82	3.2	4.0	950	2867
M21-UBF	02/17/2022	Duplicate	27	87	170	487	0.82	3.2	4.0	950	2867
M22-O	02/16/2022	Primary	6.1	8.6	49	86	0.80	3.2	4.0	410	1094
M23-UBF	02/23/2022	Primary	27	69	210	411	0.56	3.2	4.0	1,100	2392
M24-O	02/28/2022	Primary	10	19	600	1364	0.82	3.2	4.0	1,200	2363
M25-UBF	02/28/2022	Primary	46	76	230	387	0.47 J	3.2	4.0	1,400	2683
M25-UBF	02/28/2022	Duplicate	49	76	220	387	0.47 J	3.2	4.0	1,400	2683
M26-O	02/24/2022	Primary	0.15 J	1	52	105	1.1	3.4	4.0	290	556
M27-LBF	02/24/2022	Primary	31	51	140	179	< 0.18	3.2	4.0	1,100	1745
M28-LBF	02/24/2022	Primary	1.1 J	2.6	8.6	81	0.59	3.2	4.0	310	610
M29-UBF	02/24/2022	Primary	29	84	160	456	0.22 J	3.2	4.0	940	2751
M30-O	02/22/2022	Primary	10	18	55	102	0.43 J	3.2	4.0	490	824
M31-LBF	02/17/2022	Primary	22	--	140	330	0.85	3.2	4.0	820	--
M52-UBF	02/17/2022	Primary	23	45	140	351	0.85	3.2	4.0	850	1666
M54-LBF	02/10/2022	Primary	23	46	150	329	0.81	3.2	4.0	900	1731
M54-O	02/14/2022	Primary	5.7	11	51	200	0.94	3.2	4.0	380	855
M54-O	02/14/2022	Duplicate	5.7	11	45	200	0.93	3.2	4.0	370	855
O19-GL	03/01/2022	Primary	9.1	17	51	99	0.41 J	3.2	4.0	440	770
O49-GL(R)	03/01/2022	Primary	7.8	18	57	181	0.29 J	3.2	4.0	500	801
P19-1-O	02/23/2022	Primary	4.7	23	62	144	1.3	3.2	4.0	420	874
P19-1-O	02/23/2022	Duplicate	4.7	23	62	144	1.3	3.2	4.0	420	874
P49-O	03/01/2022	Primary	3.3	18	100	181	0.69	3.2	4.0	460	849
Arizona Aquifer Water Quality Standard ⁽²⁾			--	--	--		4.0			--	

Notes:

(1) Increased frequency monitoring conducted on 2/16/2022 and 3/2/2022.

(2) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, December 31, 2016.

Alert Level Exceeded

J = estimated value

All results in milligrams per liter (mg/L).

Detects are **bolded**.

Non-detects are reported to the laboratory method detection limit (< MDL).

APPENDIX A

Data Quality Assurance/Quality Control Summary Memorandum



HALEY & ALDRICH, INC.
One Arizona Center
400 E. Van Buren St., Suite 545
Phoenix, AZ 85004
602.760.2450

MEMORANDUM

28 April 2022
File No. 133887-013

TO: Haley & Aldrich, Inc.
Laura Menken R.G.

FROM: Haley & Aldrich, Inc.
Alexis Rainery, Engineer
Katherine Miller, Project Manager

SUBJECT: Appendix A – Data Quality Assurance/Quality Control Summary

Analytical results for environmental samples collected during the first quarter 2022 compliance monitoring event were verified in accordance with guidance provided by the U.S. Environmental Protection Agency [USEPA], 2012].¹ For each laboratory data package, the following quality control/quality assurance criteria from the analysis of the project samples were reviewed:

- Completeness with the chain of custody (COC);
- Comparison of reporting limits to alert levels (AL) and aquifer quality limits (AQL);
- Holding times/preservation;
- Blank sample analysis;
- Laboratory control samples;
- Matrix spike samples;
- Laboratory and field duplicate sample analysis; and
- Verification of laboratory report data.

Sample data were qualified by the laboratory in accordance with laboratory standard operating procedures (SOP). Based on a check of the data qualifiers assigned to the project sample results, these flags were applied to the reported results in accordance with the laboratory-specific SOP.

¹ USEPA, 2012. USEPA Region 9 Guidance for Quality Assurance Program Plans, R9QA/03.2. March.

COMPLETENESS WITH CHAIN OF CUSTODY

Samples were collected, preserved, and shipped following standard COC protocol. Samples were also received appropriately, identified correctly, and analyzed according to the COC. COCs were appropriately signed and dated by the field and/or laboratory personnel. The following exceptions were noted:

- For SDG 22C0139, the laboratory signed the COC twice, once to receive the samples and again to relinquish them. However, there was no sub-contracted laboratory, and the samples were not relinquished a second time.

REPORTING LIMITS

The reporting limits and/or method detection limits were at or below the applicable ALs and AQLs.

HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified as per each method's protocol with the following exceptions:

Laboratory Report	Method	Matrix	Holding Time	Preservation	Sample ID, Violation, Qualification
22B0537	All methods	Water	Various	Cool to $\leq 6^{\circ}\text{C}$	<p>The cooler containing the following samples were received warm at 7.1 degrees Celsius ($^{\circ}\text{C}$):</p> <p>M22-O-021622 M2-GU-021622 M3-GL-021622 M4-O-021622</p> <p>However, the cooler was delivered same day as sample collection and there is evidence chilling had begun.</p>
22C0086	All methods	Water	Various	Cool to $\leq 6^{\circ}\text{C}$	<p>The cooler containing the following samples were received warm at 6.9 $^{\circ}\text{C}$:</p> <p>M18-GU-030122 M1-GL-030122 O19-GL-030122 O49-GL(R)-030122 P49-O-030122</p>
22C0139	All methods	Water	Various	Cool to $\leq 6^{\circ}\text{C}$	<p>The cooler containing the following sample was received warm at 8.6 $^{\circ}\text{C}$:</p> <p>M4-O-030222</p>

BLANK SAMPLE ANALYSIS

Method blank samples had no detections, indicating that no contamination from laboratory activities occurred with the following exceptions:

Laboratory Report(s)	Associated Sample ID(s)	Batch ID	Analyte Detected in Method Blank	Concentration (mg/L, unless noted)
22B0670	M30-O-022222 M6-GU-022222 M7-GL-022222 M8-O-022222	2202246	Magnesium	0.11 J mg/L
22B0671	M103-022322 M14-GL-022322 M15-GU-022322 M23-UBF-022322 P19-1-O-022322	2202246	Magnesium	0.11 J mg/L
22B0705	M26-O-022422 M27-LBF-022422 M28-LBF-022422 M29-UBF-022422	2202246	Magnesium	0.11 J mg/L

LABORATORY CONTROL AND MATRIX SPIKE SAMPLES

Compounds associated with the laboratory control sample, matrix spike, and matrix spike duplicate analyses exhibited recoveries and relative percent differences (RPD) within the specified limits with the following exceptions:

Laboratory Report	Sample ID	Sample Type	Method	Batch ID	Analyte	%R, RPD	Acceptable %R, RPD
22B0670	M6-GU-022222	MS	USEPA 300.0	2203016	Sulfate	62%	80-120%

Notes:

% = percent
%R = percent recovery
MS = matrix spike
RPD = relative percent difference
USEPA = U.S. Environmental Protection Agency

LABORATORY AND FIELD DUPLICATE SAMPLES

The RPDs for laboratory duplicate analysis were all below 20 percent for water (or the absolute difference rule was satisfied if detects were less than 5 times the reporting limit).

The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. The following samples were collected for field duplicate analysis and the RPDs were all below 35 percent for water (or the absolute difference rule was satisfied if detects were less than 5 times the reporting limit).

Primary Sample ID	Duplicate Sample ID	Methods for Which Field Duplicates Were Analyzed
M21-UBF-021722	M102-021722	Anions by USEPA 300.0 Metals by USEPA 200.7 & 200.8 Total Dissolved Solids by SM 2540C
M25-UBF-022822	M104-022822	
P19-1-O-022322	M103-022322	
M54-O-021422	M101-021422	

Notes:
SM = Standard Method
USEPA = U.S. Environmental Protection Agency

VERIFICATION OF LABORATORY REPORT DATA

A minimum of 10 percent of the data reported by the laboratory were verified against the electronic data deliverables.

ATTACHMENT 10B

Summary of Quarterly Water Levels

SUMMARY OF QUARTERLY WATER LEVELS

PAGE 1 OF 2

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Location ID	Date	Depth to Water (feet)	Description of Measuring Point	Elevation of Measuring Point (feet amsl)	Water Level Elevation (feet amsl)
M1-GL	02/09/2022	214.24	TOC	1461.75	1247.51
M1-GL	03/01/2022	213.33	TOC	1461.75	1248.42
M2-GU	02/09/2022	208.63	TOC	1460.80	1252.17
M2-GU	02/16/2022	208.79	TOC	1460.80	1252.01
M3-GL	02/09/2022	208.67	TOC	1460.74	1252.07
M3-GL	02/16/2022	209.90	TOC	1460.74	1250.84
M4-O	01/12/2022	206.82	TOC	1460.60	1253.78
M4-O	01/17/2022	206.41	TOC	1460.60	1254.19
M4-O	02/09/2022	208.63	TOC	1460.60	1251.97
M4-O	02/16/2022	210.19	TOC	1460.60	1250.41
M4-O	03/02/2022	208.24	TOC	1460.60	1252.36
M6-GU	02/09/2022	237.60	TOC	1482.45	1244.85
M6-GU	02/22/2022	238.20	TOC	1482.45	1244.25
M7-GL	02/09/2022	241.67	TOC	1481.22	1239.55
M7-GL	02/22/2022	242.08	TOC	1481.22	1239.14
M8-O	02/09/2022	247.95	TOC	1480.46	1232.51
M8-O	02/22/2022	248.60	TOC	1480.46	1231.86
M14-GL	02/09/2022	234.75	TOC	1476.53	1241.78
M14-GL	02/23/2022	237.27	TOC	1477.12	1239.85
M15-GU	02/09/2022	229.70	TOC	1476.53	1246.83
M15-GU	02/23/2022	232.47	TOC	1476.53	1244.06
M16-GU(R)	02/09/2022	219.86	TOC	1466.16	1246.30
M16-GU(R)	02/28/2022	219.37	TOC	1468.57	1249.20
M17-GL	02/09/2022	219.31	TOM	1466.16	1246.85
M17-GL	02/28/2022	218.72	TOM	1466.16	1247.44
M18-GU	02/09/2022	212.63	TOC	1462.40	1249.77
M18-GU	03/01/2022	212.54	TOC	1462.40	1249.86
M19-LBF	02/09/2022	244.90	TOM	1490.05	1245.15
M19-LBF	02/17/2022	245.68	TOM	1490.05	1244.37
M20-O(R)	01/17/2022	242.55	TOC	1490.42	1247.87
M20-O(R)	02/09/2022	246.01	TOC	1490.42	1244.41
M20-O(R)	02/17/2022	246.35	TOC	1490.42	1244.07
M20-O(R)	03/02/2022	245.46	TOC	1490.42	1244.96
M21-UBF	02/09/2022	241.65	TOM	1489.52	1247.87
M21-UBF	02/17/2022	242.28	TOM	1489.52	1247.24
M22-O	01/17/2022	234.85	TOM	1478.58	1243.73
M22-O	02/09/2022	237.38	TOM	1478.58	1241.20
M22-O	02/16/2022	237.12	TOM	1478.58	1241.46
M22-O	03/03/2022	236.94	TOM	1478.58	1241.64
M23-UBF	02/09/2022	221.15	TOM	1477.61	1256.46
M23-UBF	02/23/2022	221.13	TOM	1477.61	1256.48
M24-O	01/17/2022	226.02	TOM	1469.29	1243.27
M24-O	02/09/2022	229.83	TOM	1469.29	1239.46
M24-O	02/28/2022	228.65	TOM	1469.29	1240.64
M24-O	03/02/2022	229.76	TOM	1469.29	1239.53

SUMMARY OF QUARTERLY WATER LEVELS

PAGE 2 OF 2

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Location ID	Date	Depth to Water (feet)	Description of Measuring Point	Elevation of Measuring Point (feet amsl)	Water Level Elevation (feet amsl)
M25-UBF	02/09/2022	215.09	TOM	1469.27	1254.18
M25-UBF	02/28/2022	214.02	TOM	1469.27	1255.25
M26-O	02/09/2022	254.18	TOM	1488.41	1234.23
M26-O	02/24/2022	255.36	TOM	1488.41	1233.05
M27-LBF	02/09/2022	242.51	TOM	1488.85	1246.34
M27-LBF	02/24/2022	242.88	TOM	1488.85	1245.97
M28-LBF	02/09/2022	243.49	TOM	1489.45	1245.96
M28-LBF	02/24/2022	243.90	TOM	1489.45	1245.55
M29-UBF	02/09/2022	242.61	TOM	1489.49	1246.88
M29-UBF	02/24/2022	242.98	TOM	1489.49	1246.51
M30-O	02/09/2022	240.66	TOM	1486.36	1245.70
M30-O	02/22/2022	240.35	TOM	1486.36	1246.01
M31-LBF	02/09/2022	239.10	TOM	1485.93	1246.83
M31-LBF	02/17/2022	239.68	TOM	1485.93	1246.25
M32-UBF	02/09/2022	DRY	Not Sampled	1475.09	DRY
M33-UBF	02/09/2022	DRY	Not Sampled	1490.10	DRY
M52-UBF	02/09/2022	233.52	TOC	1485.04	1251.52
M52-UBF	02/17/2022	234.06	TOC	1485.04	1250.98
M54-LBF	02/09/2022	235.11	TOC	1481.92	1246.81
M54-LBF	02/10/2022	234.86	TOC	1481.92	1247.06
M54-O	01/17/2022	251.30	TOC	1482.47	1231.17
M54-O	02/09/2022	254.50	TOC	1482.47	1227.97
M54-O	02/14/2022	252.39	TOC	1482.47	1230.08
M54-O	03/03/2022	253.83	TOC	1482.47	1228.64
O19-GL	02/09/2022	240.02	TOM	1483.28	1243.26
O19-GL	03/01/2022	239.35	TOM	1483.28	1243.93
O49-GL(R)	02/09/2022	216.38	TOM	1465.83	1249.45
O49-GL(R)	03/01/2022	216.71	TOM	1465.83	1249.12
P19-1-O	01/17/2022	238.82	TOM	1484.72	1245.90
P19-1-O	02/09/2022	241.67	TOM	1484.72	1243.05
P19-1-O	02/23/2022	241.58	TOM	1484.72	1243.14
P19-1-O	03/02/2022	241.00	TOM	1484.72	1243.72
P49-O	01/17/2022	216.44	TOM	1463.12	1246.68
P49-O	02/09/2022	220.88	TOM	1463.12	1242.24
P49-O	03/01/2022	219.02	TOM	1463.12	1244.10
P49-O	03/02/2022	221.09	TOM	1463.12	1242.03
Status of Local Production Wells					
BIA-9R	02/09/2022		Not Pumping		
BIA-10	02/09/2022		Pumping		
PW2-1	02/09/2022		Not Pumping		
WW-4	02/09/2022		Not Pumping		

Notes:

amsl = above mean sea level

TOC = top of casing

TOM = top of monument

ATTACHMENT 11

Resource Block Status Report

Q1 2022 RESOURCE BLOCK STATUS SUMMARY

FLORENCE COPPER INC.

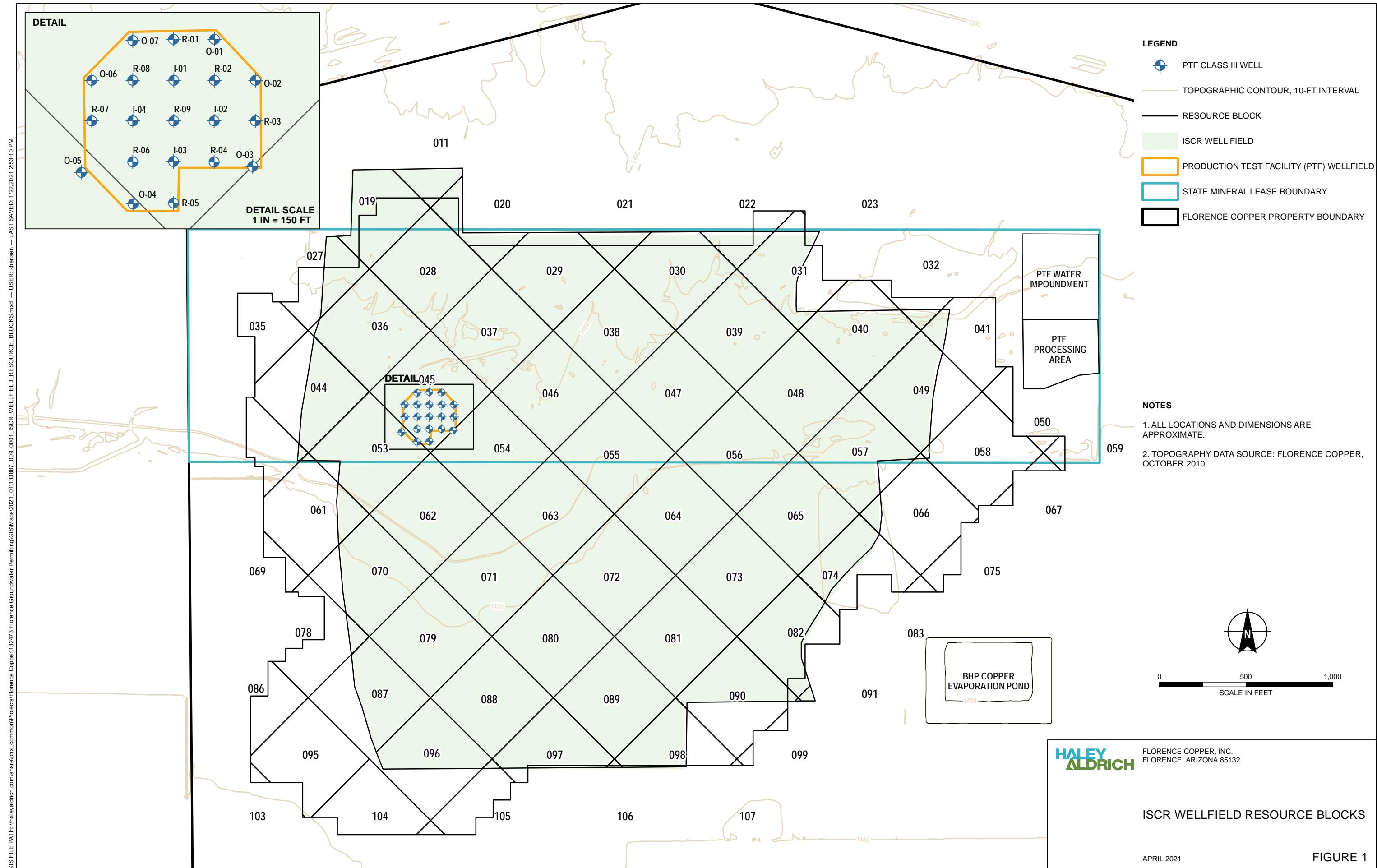
FLORENCE, ARIZONA

Resource Block ⁽¹⁾	Block Status	Notes
045	Rinsing	Only those wells associated with the Production Test Facility have been constructed within the identified resource blocks.
053	Rinsing	
054	Rinsing	

Notes:

(1) Resource block numbering provided in Figure 1 attached.

At this time, no other resource blocks are planned for immediate construction.



ATTACHMENT 12

Monthly ISCR Wellfield Water Analytical Results

TABLE 1
Q1 2022 MONTHLY ISCR WELLFIELD WATER ANALYTICAL RESULTS
FLORENCE COPPER INC.
FLORENCE, ARIZONA

Monitoring Parameters	Maximum Ambient Water Quality ⁽¹⁾	Analytical Results		
		1/13/2022	2/7/2022	3/22/2022
Metals				
Aluminum	0.08	< 2.0	< 2.0	< 2.0
Antimony	0.0005	< 0.20	< 0.20	< 0.20
Arsenic	0.0029	< 0.040	< 0.040	< 0.040
Barium	0.11	< 0.050	< 0.050	< 0.050
Beryllium	0.0005	< 0.0020	< 0.0020	< 0.0020
Cadmium	0.0014	< 0.0020	< 0.0020	< 0.0020
Chromium	0.01	< 0.030	< 0.030	< 0.030
Cobalt	0.0081	< 0.10	< 0.10	< 0.10
Copper	1.9	0.27	1.6	1.2
Iron	0.3	< 0.30	< 0.30	< 0.30
Lead	0.001	< 0.040	< 0.040	< 0.040
Magnesium	30	< 3.0	< 3.0	< 3.0
Manganese	0.12	< 0.020	0.046	0.33
Mercury	0.001	< 0.0010	< 0.0010	< 0.0010
Molybdenum	--	< 0.010	< 0.010	< 0.010
Nickel	0.015	< 0.050	< 0.050	< 0.050
Selenium	0.0039	< 0.040	< 0.040	< 0.040
Thallium	0.001	< 0.50	< 0.50	< 0.50
Uranium	--	< 0.00050	< 0.00050	0.0015
Zinc	1.9	< 0.040	< 0.040	< 0.040
Inorganic Parameters				
Total Alkalinity	220	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
Bicarbonate	220	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
Carbonate	20	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
Hydroxide	2	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾
pH (pH Units)	8.7	2.71	2.61	2.49
Temperature (°C)	32.4	25.2	26.2	29.3
Conductivity	1800	1042	895	1287
Calcium	140	< 4.0	< 4.0	< 4.0
Chloride	340	93	57	110
Fluoride	0.89	0.87	0.64	0.5
Potassium	11	< 5.0	< 5.0	< 5.0
Sodium	180	< 5.0	< 5.0	< 5.0
TDS	1100	130	20	30
Nitrate (as N)	9.7	4.1	3.9	5.1
Nitrite (as N)	0.1	< 0.10	< 0.10	< 0.10
Sulfate	230	34	57	60
Organic Parameters				
Benzene	0.063	< 0.00050	< 0.00050	< 0.00050
Ethylbenzene	0.054	< 0.00050	< 0.00050	< 0.00050
Naphthalene	--	< 0.002	< 0.002	< 0.002
n-octane	--	< 0.00050	< 0.00050	< 0.00050
Toluene	0.057	< 0.00050	< 0.00050	< 0.00050
Total Xylene	0.13	< 0.0015	< 0.0015	< 0.0015
Total Petroleum Hydrocarbons - Diesel	0.17	< 0.10	< 0.090	< 0.093
Radionuclide Parameters				
Gross Alpha (pCi/L)	2.8	< 0.9	4.7 ± 1.2	< 1.9
Uranium Isotopes (total) (pCi/L)	30.2	< 0.4	1.7 ± 0.5	1.3 ± 0.4
Adjusted Gross Alpha (pCi/L)	15.4	< 0.9	3.0 ± 1.3	< 1.0
Gross Beta (pCi/L)	--	< 2.4	< 2.4	< 2.4
Radium Isotopes 226+228 (pCi/L)	6.2	< 0.6	< 0.7	< 0.7
Radon (pCi/L)	--	1595.9 ± 161.7	1662.2 ± 167.9	2262.7 ± 228.3

Notes:

(1) Maximum ambient water quality at the site pre-operation.

(2) Alkalinity analysis was not reported due to matrix interference. Sample pH was less than 4.5.

All results in milligrams per liter (mg/L) unless otherwise noted.

Non-detects are reported to the laboratory reporting limit

Radionuclide data presented as result ± uncertainty

ISCR = in-situ copper recovery

pCi/L = picocuries per liter

ATTACHMENT 13

Well Abandonment Report
(Placeholder – Not Applicable for this Monitoring Period)